

QPdfWriter Class

The QPdfWriter class is a class to generate PDFs that can be used as a paint device. [More...](#)

Header: `#include <QPdfWriter>`

qmake: `QT += gui`

Inherits: [QObject](#) and [QPagedPaintDevice](#)

- [List of all members, including inherited members](#)

Public Functions

	QPdfWriter(QIODevice *device)
	QPdfWriter(const QString &filename)
virtual	~QPdfWriter()
QString	creator() const
QPageLayout	pageLayout() const
QPagedPaintDevice::PdfVersion	pdfVersion() const
int	resolution() const
void	setCreator(const QString &creator)
bool	setPageLayout(const QPageLayout &newPageLayout)
bool	setPageMargins(const QMarginsF &margins)
bool	setPageMargins(const QMarginsF &margins, QPageLayout::Unit units)
bool	setPageOrientation(QPageLayout::Orientation orientation)
bool	setPageSize(const QPageSize &pageSize)
void	setPdfVersion(QPagedPaintDevice::PdfVersion version)
void	setResolution(int resolution)
void	setTitle(const QString &title)
QString	title() const

Reimplemented Public Functions

virtual bool [newPage\(\)](#) override
(obsolete) virtual void [setMargins\(const QPagedPaintDevice::Margins &m\)](#) override
(obsolete) virtual void [setPageSize\(QPagedPaintDevice::PageSize size\)](#) override
(obsolete) virtual void [setPageSizeMM\(const QSizeF &size\)](#) override

Reimplemented Protected Functions

virtual QPainter * [paintEngine\(\)](#) const override

Detailed Description

QPdfWriter generates PDF out of a series of drawing commands using [QPainter](#). The [newPage\(\)](#) method can be used to create several pages.

Member Function Documentation

QPdfWriter::QPdfWriter(QIODevice *device)

Constructs a PDF writer that will write the pdf to device.

QPdfWriter::QPdfWriter(const QString &filename)

Constructs a PDF writer that will write the pdf to filename.

[virtual] QPdfWriter::~~QPdfWriter()

Destroys the pdf writer.

QString QPdfWriter::creator() const

Returns the creator of the document.

See also [setCreator\(\)](#).

[override virtual] bool QPdfWriter::newPage()

Reimplements: [QPagedPaintDevice::newPage\(\)](#).

QPageLayout QPdfWriter::pageLayout() const

Returns the current page layout. Use this method to access the current [QPageSize](#), [QPageLayout::Orientation](#), [QMarginsF](#), [fullRect\(\)](#) and [paintRect\(\)](#).

Note that you cannot use the setters on the returned object, you must either call the individual [QPdfWriter](#) methods or use [setPageLayout\(\)](#).

This function was introduced in Qt 5.3.

See also [setPageLayout\(\)](#), [setPageSize\(\)](#), [setPageOrientation\(\)](#), and [setPageMargins\(\)](#).

[override virtual protected] QPaintEngine *QPdfWriter::paintEngine() const

Reimplements: [QPaintDevice::paintEngine\(\)](#) const.

QPagedPaintDevice::PdfVersion QPdfWriter::pdfVersion() const

Returns the PDF version for this writer. The default is PdfVersion_1_4.

This function was introduced in Qt 5.10.

See also [setPdfVersion\(\)](#).

int QPdfWriter::resolution() const

Returns the resolution of the PDF in DPI.

This function was introduced in Qt 5.3.

See also [setResolution\(\)](#).

void QPdfWriter::setCreator(const QString &creator)

Sets the creator of the document to creator.

See also [creator\(\)](#).

bool QPdfWriter::setLayout(const QPageLayout &newPageLayout)

Sets the PDF page layout to newPageLayout.

You should call this before calling [QPainter::begin\(\)](#), or immediately before calling [newPage\(\)](#) to apply the new page layout to a new page. You should not call any painting methods between a call to [setLayout\(\)](#) and [newPage\(\)](#) as the wrong paint metrics may be used.

Returns true if the page layout was successfully set to newPageLayout.

This function was introduced in Qt 5.3.

See also [pageLayout\(\)](#).

bool QPdfWriter::setPageMargins(const QMarginsF &margins)

Set the PDF page margins in the current page layout units.

You should call this before calling [QPainter::begin\(\)](#), or immediately before calling [newPage\(\)](#) to apply the new margins to a new page. You should not call any painting methods between a call to [setPageMargins\(\)](#) and [newPage\(\)](#) as the wrong paint metrics may be used.

To get the current page margins use [pageLayout\(\).pageMargins\(\)](#).

Returns true if the page margins were successfully set to margins.

This function was introduced in Qt 5.3.

See also [pageLayout\(\)](#).

bool QPdfWriter::setPageMargins(const QMarginsF &margins, QPageLayout::Unit units)

Set the PDF page margins defined in the given units.

You should call this before calling [QPainter::begin\(\)](#), or immediately before calling [newPage\(\)](#) to apply the new margins to a new page. You should not call any painting methods between a call to [setPageMargins\(\)](#) and [newPage\(\)](#) as the wrong paint metrics may be used.

To get the current page margins use [pageLayout\(\).pageMargins\(\)](#).

Returns true if the page margins were successfully set to margins.

This function was introduced in Qt 5.3.

See also [pageLayout\(\)](#).

bool QPdfWriter::setPageOrientation(QPageLayout::Orientation orientation)

Sets the PDF page orientation.

The page orientation is used to define the orientation of the page size when obtaining the page rect.

You should call this before calling [QPainter::begin\(\)](#), or immediately before calling [newPage\(\)](#) to apply the new orientation to a new page. You should not call any painting methods between a call to [setPageOrientation\(\)](#) and [newPage\(\)](#) as the wrong paint metrics may be used.

To get the current [QPageLayout::Orientation](#) use [pageLayout\(\).pageOrientation\(\)](#).

Returns true if the page orientation was successfully set to orientation.

This function was introduced in Qt 5.3.

See also [pageLayout\(\)](#).

bool QPdfWriter::setPageSize(const [QPageSize](#) &pageSize)

Sets the PDF page size to pageSize.

To get the current [QPageSize](#) use [pageLayout\(\).pageSize\(\)](#).

You should call this before calling [QPainter::begin\(\)](#), or immediately before calling [newPage\(\)](#) to apply the new page size to a new page. You should not call any painting methods between a call to [setPageSize\(\)](#) and [newPage\(\)](#) as the wrong paint metrics may be used.

Returns true if the page size was successfully set to pageSize.

This function was introduced in Qt 5.3.

See also [pageLayout\(\)](#).

void QPdfWriter::setPdfVersion([QPagedPaintDevice::PdfVersion](#) version)

Sets the PDF version for this writer to version.

If version is the same value as currently set then no change will be made.

This function was introduced in Qt 5.10.

See also [pdfVersion\(\)](#).

void QPdfWriter::setResolution(int resolution)

Sets the PDF resolution in DPI.

This setting affects the coordinate system as returned by, for example [QPainter::viewport\(\)](#).

This function was introduced in Qt 5.3.

See also [resolution\(\)](#).

void QPdfWriter::setTitle(const [QString](#) &title)

Sets the title of the document being created to title.

See also [title\(\)](#).

[QString](#) QPdfWriter::title() const

Returns the title of the document.

See also [setTitle\(\)](#).

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