Converting Colors

RGB(255, 64, 176)

Have a look what the booklet for RGB(255, 64, 176) contains.

Color

RGB(255, 64, 176)

Conversions

Conversions Part 1

Format	Color
Hex	FF40B0
RGB	255, 64, 176
RGB Percent	100%, 25%, 69%
CMY	0.0000, 0.7490, 0.3098
CMYK	0.00, 0.75, 0.31, 0.00
HSL	325°, 100%, 63%
HSV	325°, 75%, 100%
XYZ	50.9099, 28.0614, 43.8074
YIQ	133.8770, 77.8840, 75.3240

Conversions

Conversions Part 2

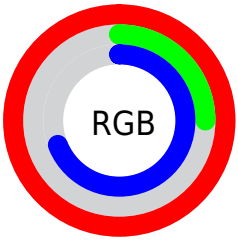
Format	Color
RYB	255, 64, 176
Decimal	16728240
CIELab	59.94, 78.72, -16.71
CIELCh	60, 80.469, 348.015
Yxy	28.0614, 0.4146, 0.2286
Android (android.graphics.Color)	4294918320 (0xFFFF40B0)
YUV	133.8770, 20.7666, 106.2249
Hunter-Lab	52.9730, 78.8453, -11.9504

Details

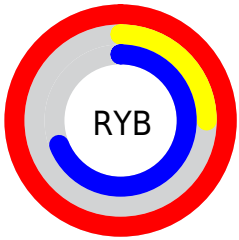
The RGB color 255, 64, 176 is a light color, and the websafe version is hex FF3399. The color can be described as light washed rose. A complement of this color would be 64, 255, 143, and the grayscale version is 134, 134, 134.

A 20% lighter version of the original color is 255, 128, 232, and 193, 0, 123 is the 20% darker color. If you saturate the color by 10%, you get 255, 38, 165, and if you desaturate by 10%, it is 255, 90, 187.

Distribution

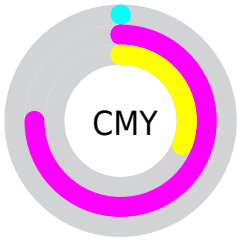


- Red (100%)
- Green (25%)
- Blue (69%)



- Red (100%)
- Yellow (25%)
- Blue (69%)

- Cyan (0%)
- Magenta (75%)
- Yellow (31%)
- Black (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RGB color 255, 64, 176 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 255, 64, 176 by changing the saturation by 10% instead.

255, 64, 176	255, 64, 176
255, 255, 255	224, 15, 149
255, 128, 232	193, 0, 123
255, 158, 255	163, 0, 98
255, 188, 255	133, 0, 74
255, 218, 255	104, 0, 52
255, 249, 255	76, 0, 31
	47, 0, 2
	0, 0, 0

255, 64, 176	255, 64, 176

255, 38, 165

255, 13, 155

255, 0, 150

255, 90, 187

255, 115, 197

255, 141, 208

255, 166, 218

255, 192, 229

255, 217, 239

255, 243, 250

255, 255, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

199, 103, 240

255, 64, 176

255, 62, 105

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

255, 64, 176

134, 154, 0

0, 172, 249

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

255, 64, 176

64, 255, 143

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

0, 176, 186

255, 64, 176

24, 167, 35

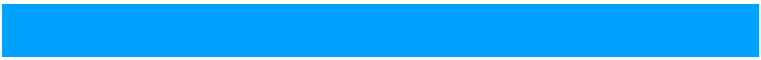
Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

255, 64, 176

198, 131, 0

0, 174, 113



0, 161, 255

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

255, 64, 176

255, 85, 60

0, 174, 113

0, 174, 231

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

255, 64, 176

255, 199, 232

140, 64, 255

128, 94, 114

0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

255, 64, 176

255, 25, 160

255, 64, 83

128, 115, 122

191, 0, 112

64, 0, 37

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

255, 64, 176

255, 25, 160

64, 255, 236

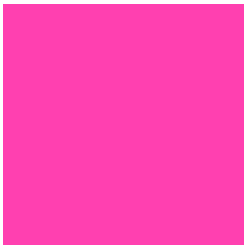
128, 115, 122

191, 0, 112

64, 0, 37

Previews

White Background

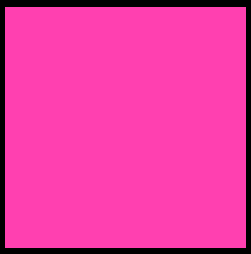


This preview shows how the RGB color 255, 64, 176 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



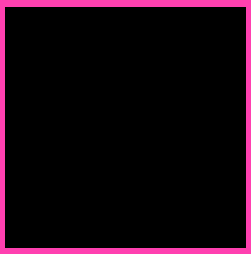
This preview shows how the RGB color 255, 64, 176 looks on a black background.

Color Contrast Check

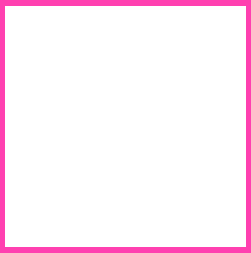
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 255, 64, 176 Background



This preview shows how black text looks on a background with the RGB color 255, 64, 176.



This preview shows how white text looks on a background with the RGB color 255, 64, 176.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy

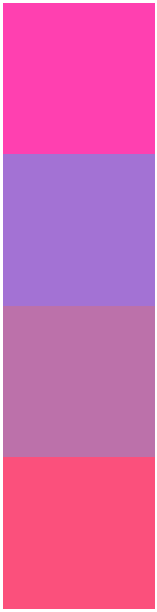
Original Color
255, 64, 176

Protanopia
110, 142, 232

Deuteranopia
149, 141, 166

Tritanopia
249, 89, 94

Trichromacy



Original Color
255, 64, 176

Protanomaly
163, 114, 212

Deuteranomaly
188, 113, 170

Tritanomaly
251, 80, 124

Monochromacy

Original Color
255, 64, 176

Achromatopsia
134, 134, 134

Achromatomaly
178, 109, 149

CSS Examples

Text

The CSS property to change the color of the text to RGB 255, 64, 176 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(255, 64, 176) looks like.

```
.text, #text, p{
    color:rgb(255, 64, 176)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(255, 64, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 176) }
```

Border

The CSS property to change the border of an element to RGB 255, 64, 176 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 64, 176) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 64, 176) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 64, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 64, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 64, 176); box-shadow:4px 4px 4px 4px rgb(255, 64, 176) }
```

Background

The CSS property to change the background color of an element to RGB 255, 64, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 64, 176) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(255, 64,
176) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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