Converting Colors

RGB(123, 40, 234)

Have a look what the booklet for RGB(123, 40, 234) contains.

Color

RGB(123, 40, 234)

Conversions

Conversions Part 1

Format	Color
Hex	7B28EA
RGB	123, 40, 234
RGB Percent	48%, 16%, 92%
CMY	0.5176, 0.8431, 0.0824
CMYK	0.47, 0.83, 0.00, 0.08
HSL	266°, 82%, 54%
HSV	266°, 83%, 92%
XYZ	23.7785, 11.6691, 78.8410
YIQ	86.9330, -12.8060, 77.9300

Conversions

Conversions Part 2

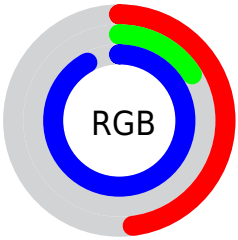
Format	Color
RYB	123, 40, 234
Decimal	8071402
CIELab	40.69, 70.72, -81.86
CIELCh	41, 108.180, 310.824
Yxy	11.6691, 0.2081, 0.1021
Android (android.graphics.Color)	4286261482 (0xFF7B28EA)
YUV	86.9330, 72.5040, 31.6308
Hunter-Lab	34.1600, 64.4722, -112.9289

Details

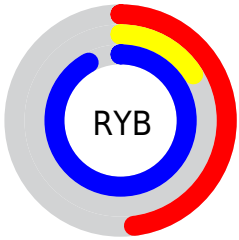
The RGB color 123, 40, 234 is a dark color, and the websafe version is hex 9933FF. The color can be described as dark washed purple. A complement of this color would be 151, 234, 40, and the grayscale version is 86, 86, 86.

A 20% lighter version of the original color is 184, 98, 255, and 56, 0, 177 is the 20% darker color. If you saturate the color by 10%, you get 110, 17, 234, and if you desaturate by 10%, it is 136, 63, 234.

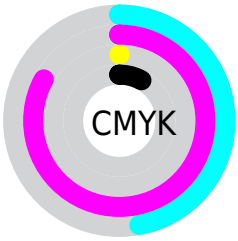
Distribution



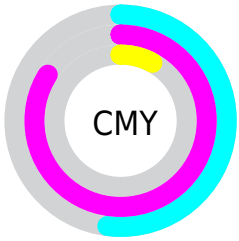
- Red (48%)
- Green (16%)
- Blue (92%)



- Red (48%)
- Yellow (16%)
- Blue (92%)



- Cyan (47%)
- Magenta (83%)
- Yellow (0%)
- Black (8%)



- Cyan (52%)
- Magenta (84%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RGB color 123, 40, 234 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 123, 40, 234 by changing the saturation by 10% instead.

123, 40, 234

255, 255, 255

184, 98, 255

215, 125, 255

246, 153, 255

255, 182, 255

255, 210, 255

255, 240, 255

123, 40, 234

91, 0, 205

56, 0, 177

0, 0, 149

0, 0, 122

0, 0, 96

0, 8, 71

0, 4, 48

0, 1, 26

0, 0, 0

123, 40, 234

110, 17, 234

100, 0, 234

123, 40, 234

136, 63, 234

150, 87, 234

163, 110, 234

177, 134, 234

190, 157, 234

203, 180, 234

217, 204, 234

230, 227, 234

243, 251, 234

Harmonies

Analogous

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

0, 101, 255

123, 40, 234

216, 0, 156

Triad

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

123, 40, 234

162, 68, 0

0, 126, 127

Complementary

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

123, 40, 234

151, 234, 40

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, 123, 29

123, 40, 234

88, 103, 0

Square

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

123, 40, 234

214, 0, 0

0, 118, 0

0, 128, 213

Rectangle

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

123, 40, 234

236, 0, 98

0, 118, 0

0, 125, 96

Sweetspot

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

123, 40, 234

219, 191, 255

40, 153, 234

106, 89, 128

0, 0, 0

128, 128, 128

Same Dimension

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

123, 40, 234

111, 3, 255

218, 40, 234

111, 106, 117

77, 0, 181

23, 0, 54

Inverse Universe

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

234, 40, 151

255, 3, 147

56, 234, 40

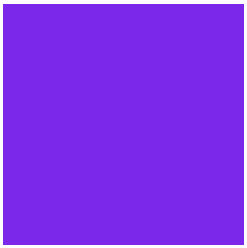
117, 106, 112

181, 0, 104

54, 0, 31

Previews

White Background

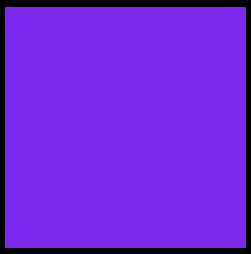


This preview shows how the RGB color 123, 40, 234 looks on a white background.

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

Black Background



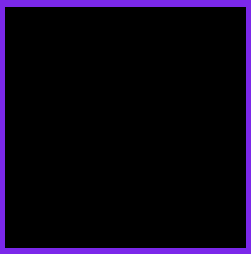
This preview shows how the RGB color 123, 40, 234 looks on a black background.

Color Contrast Check

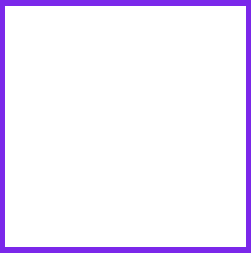
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RGB 123, 40, 234 Background



This preview shows how black text looks on a background with the RGB color 123, 40, 234.

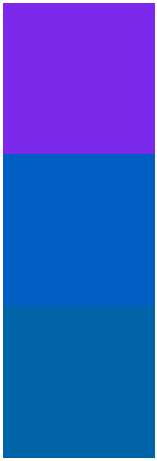


This preview shows how white text looks on a background with the RGB color 123, 40, 234.

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



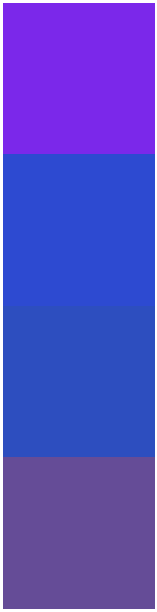
Original Color
123, 40, 234

Protanopia
0, 93, 195

Deuteranopia
0, 99, 167

Tritanopia
89, 97, 104

Trichromacy



Original Color
123, 40, 234

Protanomaly
45, 74, 209

Deuteranomaly
45, 78, 191

Tritanomaly
101, 76, 151

Monochromacy

Original Color
123, 40, 234

Achromatopsia
87, 87, 87

Achromatomaly
100, 70, 140

CSS Examples

Text

The CSS property to change the color of the text to RGB 123, 40, 234 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(123, 40, 234) looks like.

```
.text, #text, p{
    color:rgb(123, 40, 234)
}
```

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(123, 40, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 40, 234) }
```

Border

The CSS property to change the border of an element to RGB 123, 40, 234 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(123, 40, 234) }
```

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

```
.border{ border-color:rgb(123, 40, 234) }
```

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

Here you see how a box with a 4 pixel rgb(123, 40, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 40, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 40, 234); box-shadow:4px 4px 4px 4px rgb(123, 40, 234) }
```

Background

The CSS property to change the background color of an element to RGB 123, 40, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(123, 40, 234) }
```

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

```
.background{ background-color:rgb(123, 40,
234) }
```

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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