Converting Colors

RGB(180, 40, 202)

Have a look what the booklet for RGB(180, 40, 202) contains.

Color

RGB(180, 40, 202)

Conversions

Conversions Part 1

Format	Color
Hex	B428CA
RGB	180, 40, 202
RGB Percent	71%, 16%, 79%
CMY	0.2941, 0.8431, 0.2078
CMYK	0.11, 0.80, 0.00, 0.21
HSL	292°, 67%, 47%
HSV	292°, 80%, 79%
XYZ	30.2419, 15.4852, 57.2721
YIQ	100.3280, 31.4380, 80.0620

Conversions

Conversions Part 2

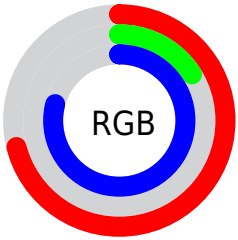
Format	Color
RYB	180, 40, 202
Decimal	11806922
CIELab	46.29, 72.85, -54.05
CIELCh	46, 90.706, 323.428
Yxy	15.4852, 0.2936, 0.1503
Android (android.graphics.Color)	4289997002 (0xFFB428CA)
YUV	100.3280, 50.1243, 69.8723
Hunter-Lab	39.3512, 68.3148, -58.7455

Details

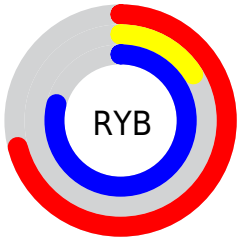
The RGB color 180, 40, 202 is a dark color, and the websafe version is hex CC33CC. The color can be described as middle muted purple. A complement of this color would be 62, 202, 40, and the grayscale version is 100, 100, 100.

A 20% lighter version of the original color is 239, 103, 255, and 122, 0, 147 is the 20% darker color. If you saturate the color by 10%, you get 177, 20, 202, and if you desaturate by 10%, it is 183, 60, 202.

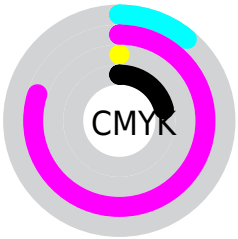
Distribution



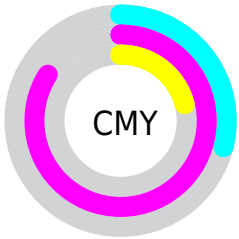
- Red (71%)
- Green (16%)
- Blue (79%)



- Red (71%)
- Yellow (16%)
- Blue (79%)



- Cyan (11%)
- Magenta (80%)
- Yellow (0%)
- Black (21%)



- Cyan (29%)
- Magenta (84%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RGB color 180, 40, 202 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 180, 40, 202 by changing the saturation by 10% instead.

180, 40, 202	180, 40, 202
255, 255, 255	151, 0, 174
239, 103, 255	122, 0, 147
255, 132, 255	94, 0, 121
255, 161, 255	66, 0, 95
255, 190, 255	39, 0, 70
255, 219, 255	0, 0, 47
255, 249, 255	0, 1, 25
	0, 0, 0

180, 40, 202	180, 40, 202

177, 20, 202

175, 0, 202

183, 60, 202

185, 80, 202

188, 101, 202

191, 121, 202

194, 141, 202

196, 161, 202

199, 181, 202

202, 202, 202

205, 222, 202

Harmonies

Analogous

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

0, 98, 252

180, 40, 202

230, 0, 130

Triad

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

180, 40, 202

148, 101, 0

0, 140, 169

Complementary

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

180, 40, 202

62, 202, 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, 138, 90

180, 40, 202

76, 123, 0

Square

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

180, 40, 202

201, 59, 0

0, 133, 0

0, 137, 233

Rectangle

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

180, 40, 202

236, 0, 80

0, 133, 0

0, 139, 143

Sweetspot

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

180, 40, 202

247, 194, 255

40, 64, 202

122, 91, 128

0, 0, 0

128, 128, 128

Same Dimension

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

180, 40, 202

222, 10, 255

202, 40, 145

101, 92, 102

143, 0, 166

33, 0, 38

Inverse Universe

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

202, 40, 62

255, 10, 43

40, 202, 97

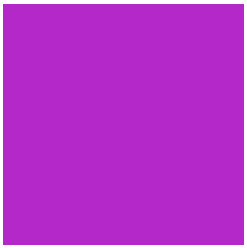
102, 92, 93

166, 0, 23

38, 0, 5

Previews

White Background

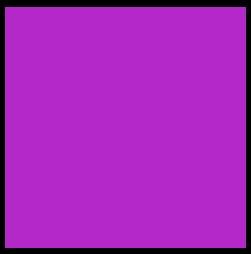


This preview shows how the RGB color 180, 40, 202 looks on a white background.

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



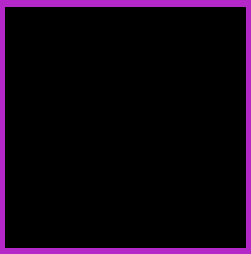
This preview shows how the RGB color 180, 40, 202 looks on a black background.

Color Contrast Check

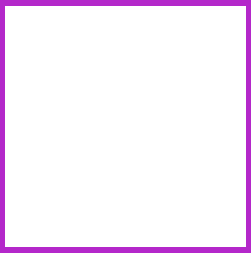
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RGB 180, 40, 202 Background



This preview shows how black text looks on a background with the RGB color 180, 40, 202.

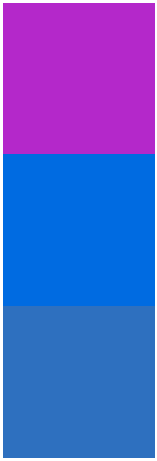


This preview shows how white text looks on a background with the RGB color 180, 40, 202.

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



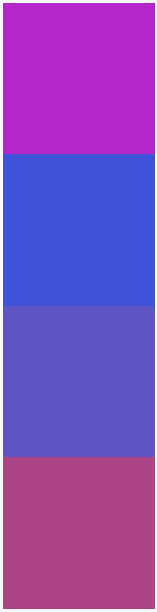
Original Color
180, 40, 202

Protanopia
0, 107, 225

Deuteranopia
46, 112, 191

Tritanopia
166, 86, 92

Trichromacy



Original Color
180, 40, 202

Protanomaly
65, 83, 217

Deuteranomaly
95, 86, 195

Tritanomaly
171, 69, 132

Monochromacy

Original Color
180, 40, 202

Achromatopsia
100, 100, 100

Achromatomaly
129, 78, 137

CSS Examples

Text

The CSS property to change the color of the text to RGB 180, 40, 202 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(180, 40, 202) looks like.

```
.text, #text, p{
    color:rgb(180, 40, 202)
}
```

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(180, 40, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 40, 202) }
```

Border

The CSS property to change the border of an element to RGB 180, 40, 202 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(180, 40, 202) }
```

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

```
.border{ border-color:rgb(180, 40, 202) }
```

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

Here you see how a box with a 4 pixel rgb(180, 40, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 40, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 40, 202); box-shadow:4px 4px 4px 4px rgb(180, 40, 202) }
```

Background

The CSS property to change the background color of an element to RGB 180, 40, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(180, 40, 202) }
```

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

```
.background{ background-color:rgb(180, 40,
202) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor