Converting Colors

RGB(172, 88, 212)

Have a look what the booklet for RGB(172, 88, 212) contains.

Color

RGB(172, 88, 212)

Conversions

Conversions Part 1

Format	Color
Hex	AC58D4
RGB	172, 88, 212
RGB Percent	67%, 35%, 83%
CMY	0.3255, 0.6549, 0.1686
CMYK	0.19, 0.58, 0.00, 0.17
HSL	281°, 59%, 59%
HSV	281°, 58%, 83%
XYZ	32.3866, 20.5036, 64.5380
YIQ	127.2520, 10.2600, 56.3720

Conversions

Conversions Part 2

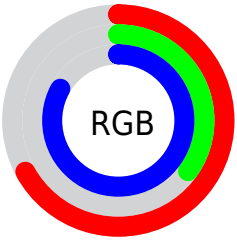
Format	Color
RYB	172, 88, 212
Decimal	11294932
CIELab	52.40, 54.40, -50.07
CIELCh	52, 73.930, 317.372
Yxy	20.5036, 0.2758, 0.1746
Android (android.graphics.Color)	4289485012 (0xFFAC58D4)
YUV	127.2520, 41.7808, 39.2440
Hunter-Lab	45.2809, 48.4287, -52.8083

Details

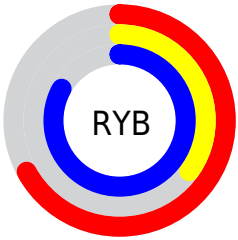
The RGB color 172, 88, 212 is a light color, and the websafe version is hex 9966CC. The color can be described as light muted purple. A complement of this color would be 128, 212, 88, and the grayscale version is 127, 127, 127.

A 20% lighter version of the original color is 230, 142, 255, and 116, 34, 157 is the 20% darker color. If you saturate the color by 10%, you get 165, 67, 212, and if you desaturate by 10%, it is 179, 109, 212.

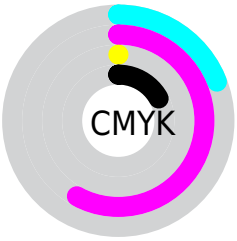
Distribution



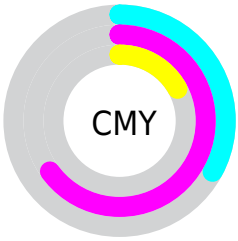
- Red (67%)
- Green (35%)
- Blue (83%)



- Red (67%)
- Yellow (35%)
- Blue (83%)



- Cyan (19%)
- Magenta (58%)
- Yellow (0%)
- Black (17%)



- Cyan (33%)
- Magenta (65%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RGB color 172, 88, 212 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 172, 88, 212 by changing the saturation by 10% instead.

172, 88, 212

255, 255, 255

230, 142, 255

255, 169, 255

255, 197, 255

255, 226, 255

172, 88, 212

144, 61, 184

116, 34, 157

89, 0, 130

62, 0, 104

36, 0, 79

0, 0, 56

0, 2, 33

0, 0, 6

0, 0, 0

172, 88, 212

165, 67, 212

158, 46, 212

151, 24, 212

145, 3, 212

144, 0, 212

172, 88, 212

179, 109, 212

186, 130, 212

193, 152, 212

199, 173, 212

206, 194, 212

213, 215, 212

220, 236, 212

227, 255, 212

234, 255, 212

Harmonies

Analogous

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

32, 120, 248

172, 88, 212

223, 52, 155

Triad

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

172, 88, 212

173, 112, 0

0, 153, 161

Complementary

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

172, 88, 212

128, 212, 88

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, 151, 95

172, 88, 212

117, 133, 0

Square

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

172, 88, 212

215, 82, 29

18, 145, 24

0, 150, 218

Rectangle

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

172, 88, 212

235, 43, 112

18, 145, 24

0, 152, 140

Sweetspot

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

172, 88, 212

240, 209, 255

88, 129, 212

118, 99, 128

0, 0, 0

128, 128, 128

Same Dimension

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

172, 88, 212

197, 77, 255

212, 88, 191

104, 96, 107

116, 0, 171

29, 0, 43

Inverse Universe

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

212, 88, 128

255, 77, 134

88, 212, 109

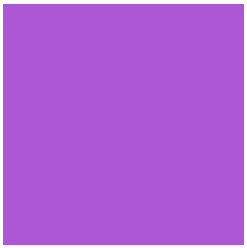
107, 96, 100

171, 0, 55

43, 0, 14

Previews

White Background



This preview shows how the RGB color 172, 88, 212 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 172, 88, 212 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 172, 88, 212 Background

This preview shows how black text looks on a background with the RGB color 172, 88, 212.

This preview shows how white text looks on a background with the RGB color 172, 88, 212.

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
172, 88, 212

Protanopia
50, 121, 245

Deuteranopia
76, 126, 205

Tritanopia
158, 113, 121

Trichromacy

Original Color
172, 88, 212

Protanomaly
94, 109, 233

Deuteranomaly
111, 112, 208

Tritanomaly
163, 104, 154

Monochromacy

Original Color
172, 88, 212

Achromatopsia
127, 127, 127

Achromatomaly
143, 113, 158

CSS Examples

Text

The CSS property to change the color of the text to RGB 172, 88, 212 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(172, 88, 212) looks like.

```
.text, #text, p{
    color:rgb(172, 88, 212)
}
```

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(172, 88, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 88, 212) }
```

Border

The CSS property to change the border of an element to RGB 172, 88, 212 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(172, 88, 212) }
```

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

```
.border{ border-color:rgb(172, 88, 212) }
```

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

Here you see how a box with a 4 pixel rgb(172, 88, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 88, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 88, 212); box-shadow:4px 4px 4px 4px rgb(172, 88, 212) }
```

Background

The CSS property to change the background color of an element to RGB 172, 88, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(172, 88, 212) }
```

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

```
.background{ background-color:rgb(172, 88, 212) }
```

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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