

Converting Colors

RGB(202, 52, 228)

Have a look what the booklet for
RGB(202, 52, 228) contains.

RGB(202, 52, 228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(202, 52, 228)

Conversions

Conversions Part 1

Format	Color
Hex	CA34E4
RGB	202, 52, 228
RGB Percent	79%, 20%, 89%
CMY	0.2078, 0.7961, 0.1059
CMYK	0.11, 0.77, 0.00, 0.11
HSL	291°, 77%, 55%
HSV	291°, 77%, 89%
XYZ	39.5887, 20.6140, 75.2911
YIQ	116.9140, 32.9040, 86.5360

Conversions

Conversions Part 2

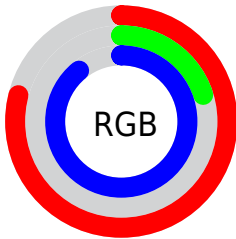
Format	Color
R _{YB}	202, 52, 228
Decimal	13251812
CIE Lab	52.52, 78.04, -58.71
CIE LCh	53, 97.661, 323.045
Yxy	20.6140, 0.2922, 0.1521
Android (android.graphics.Color)	4291441892 (0xFFCA34E4)
YUV	116.9140, 54.7654, 74.6204
Hunter-Lab	45.4026, 76.1881, -66.5387

Details

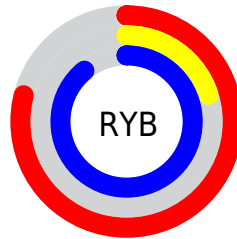
The RGB color **202, 52, 228** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **78, 228, 52**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **255, 115, 255**, and **143, 0, 172** is the 20% darker color. If you saturate the color by 10%, you get **199, 29, 228**, and if you desaturate by 10%, it is **205, 75, 228**.

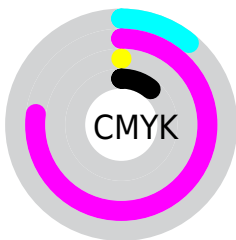
Distribution



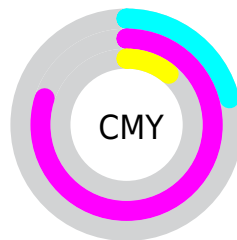
- Red (79%)
- Green (20%)
- Blue (89%)



- Red (79%)
- Yellow (20%)
- Blue (89%)



- Cyan (11%)
- Magenta (77%)
- Yellow (0%)
- Black (11%)




















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

Brightness & Saturation Gradients

These gradients show how the RGB color 202, 52, 228 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 202, 52, 228 by changing the saturation by 10% instead.

 202, 52, 228	 202, 52, 228
 255, 255, 255	 172, 0, 199
 255, 115, 255	 143, 0, 172
 255, 144, 255	 114, 0, 144
 255, 174, 255	 86, 0, 118
 255, 203, 255	 58, 0, 93
 255, 233, 255	 26, 0, 68
	 0, 1, 44
	 0, 1, 23
	 0, 0, 0

■ 202, 52, 228

■ 202, 52, 228

■ 199, 29, 228

■ 205, 75, 228

■ 195, 6, 228

■ 209, 98, 228

■ 194, 0, 228

■ 212, 120, 228

■ 215, 143, 228

■ 219, 166, 228

■ 222, 189, 228

■ 226, 212, 228

■ 229, 234, 228

■ 232, 255, 228

Harmonies

Analogous

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



0, 113, 255



202, 52, 228



255, 0, 149

Triad

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



202, 52, 228



169, 116, 0



0, 159, 189

Complementary

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



202, 52, 228



78, 228, 52

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, 157, 102



202, 52, 228



90, 140, 0

Square

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



202, 52, 228



228, 69, 0



0, 152, 0



0, 156, 255

Rectangle

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



202, 52, 228



255, 0, 94



0, 152, 0



0, 158, 161

Sweetspot

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



202, 52, 228



246, 196, 255



52, 78, 228



122, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 52, 228



220, 18, 255



228, 52, 166



113, 103, 115



152, 0, 179



43, 0, 51

Inverse Universe

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



228, 52, 78



255, 18, 53



52, 228, 114



115, 103, 105



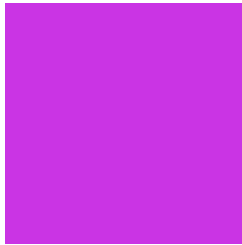
179, 0, 26



51, 0, 8

Previews

White Background



This preview shows how the RGB color 202, 52, 228 looks on a white background.

Color Contrast Check

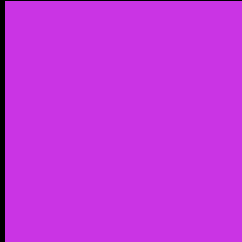
Large Text (above 18pt) WCAG AA ✓ Pass

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 202, 52, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

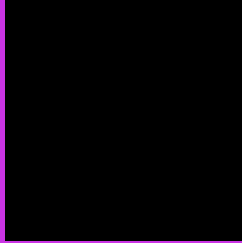
Any Text WCAG AA ✓ Pass

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 202, 52, 228 Background



This preview shows how black text looks on a background with the RGB color 202, 52, 228.

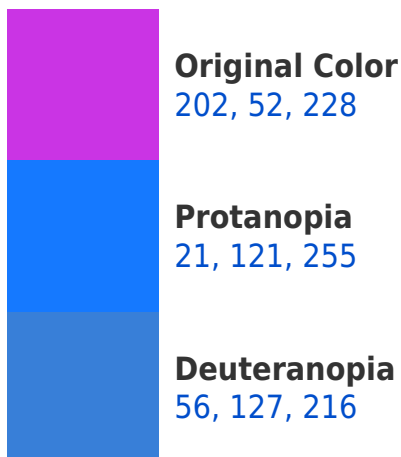



This preview shows how white text looks on a background with the RGB color 202, 52, 228.

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





Tritanopia
186, 99, 106

Trichromacy



Original Color

202, 52, 228



Protanomaly

87, 96, 245



Deuteranomaly

109, 100, 220



Tritanomaly

192, 82, 150

Monochromacy



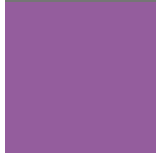
Original Color

202, 52, 228



Achromatopsia

117, 117, 117



Achromatomaly

148, 93, 157

CSS Examples

Text

The CSS property to change the color of the text to RGB 202, 52, 228 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(202, 52, 228)` looks like.

```
.text, #text, p{  
    color:rgb(202, 52, 228)  
}
```

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(202, 52, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 52, 228) }
```

Border

The CSS property to change the border of an element to RGB 202, 52, 228 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(202, 52, 228) }
```

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

```
.border{ border-color:rgb(202, 52, 228) }
```

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

Here you see how a box with a 4 pixel rgb(202, 52, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 52, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 52, 228);  
box-shadow:4px 4px 4px 4px rgb(202, 52,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 202, 52, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 52, 228) }
```

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

```
.background{ background-color: rgb(202, 52,  
228) }
```

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