

Converting Colors

RGB(202, 0, 158)

Have a look what the booklet for
RGB(202, 0, 158) contains.

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Color

RGB(202, 0, 158)

Conversions

Conversions Part 1

Format	Color
Hex	CA009E
RGB	202, 0, 158
RGB Percent	79%, 0%, 62%
CMY	0.2078, 1.0000, 0.3804
CMYK	0.00, 1.00, 0.22, 0.21
HSL	313°, 100%, 40%
HSV	313°, 100%, 79%
XYZ	30.5287, 15.0252, 33.6389
YIQ	78.4100, 69.6740, 91.9620

Conversions

Conversions Part 2

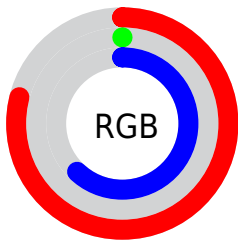
Format	Color
R_{YB}	202, 0, 158
Decimal	13238430
CIE _{Lab}	45.67, 76.61, -28.88
CIE _{LCh}	46, 81.870, 339.345
Yxy	15.0252, 0.3855, 0.1897
Android (android.graphics.Color)	4291428510 (0xFFCA009E)
YUV	78.4100, 39.2379, 108.3884
Hunter-Lab	38.7623, 72.7501, -24.3196

Details

The RGB color **202, 0, 158** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **0, 202, 44**, and the grayscale version is **78, 78, 78**.

A 20% lighter version of the original color is **255, 90, 213**, and **143, 0, 106** is the 20% darker color. If you saturate the color by 10%, you get **202, 0, 158**, and if you desaturate by 10%, it is **202, 20, 162**.

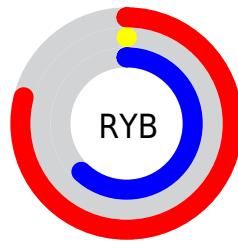
Distribution



Red (79%)

Green (0%)

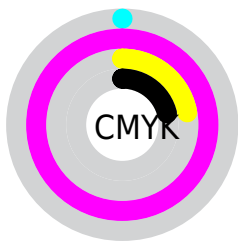
Blue (62%)



Red (79%)

Yellow (0%)

Blue (62%)

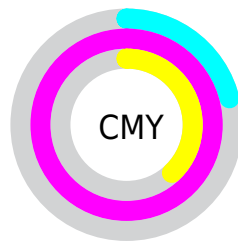


Cyan (0%)

Magenta (100%)

Yellow (22%)

Black (21%)



Cyan (21%)


Magenta (100%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RGB color 202, 0, 158 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, 0, 158 by changing the saturation by 10% instead.

 202, 0, 158

 202, 0, 158

255, 255, 255

 172, 0, 132

 255, 90, 213

 143, 0, 106

 255, 120, 241

 114, 0, 82

 255, 150, 255

 85, 0, 58

 255, 180, 255

 58, 0, 36

 255, 210, 255

 26, 0, 11

 255, 240, 255

 0, 0, 0

 202, 0, 158

 202, 20, 162

■ 202, 40, 167

■ 202, 61, 171

■ 202, 81, 176

■ 202, 101, 180

■ 202, 121, 184

■ 202, 141, 189

■ 202, 162, 193

■ 202, 182, 198

Harmonies

Analogous

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



131, 76, 216



202, 0, 158



223, 0, 90

Triad

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



202, 0, 158



113, 112, 0



0, 135, 195

Complementary

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



202, 0, 158



0, 202, 44

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, 136, 129



202, 0, 158



15, 126, 0

Square

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



202, 0, 158



169, 86, 0



0, 133, 56



0, 129, 238

Rectangle

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



202, 0, 158



217, 4, 46



0, 133, 56



0, 136, 174

Sweetspot

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



202, 0, 158



255, 179, 238



44, 0, 202



128, 82, 118



0, 0, 0



128, 128, 128

Same Dimension

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



202, 0, 158



255, 0, 199



202, 0, 57



102, 92, 100



166, 0, 130



38, 0, 30

Inverse Universe

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



202, 0, 158



255, 0, 199



0, 202, 145



102, 92, 100



166, 0, 130



38, 0, 30

Previews

White Background



This preview shows how the RGB color 202, 0, 158 looks on a white background.

Color Contrast Check

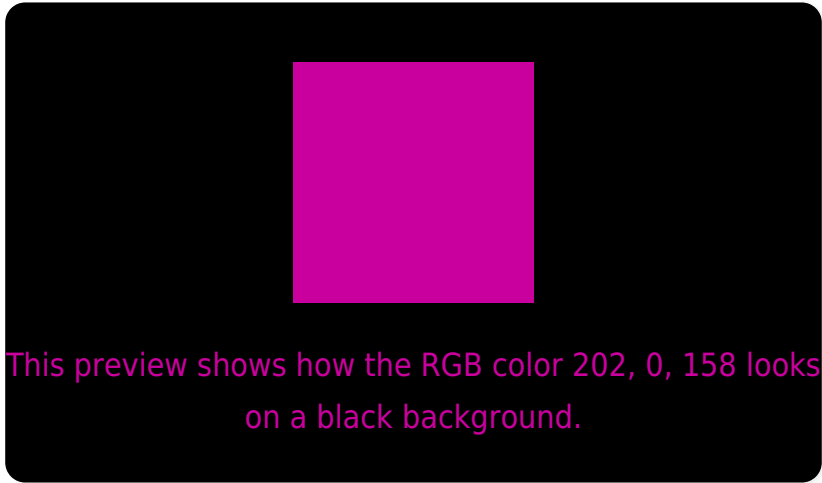
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

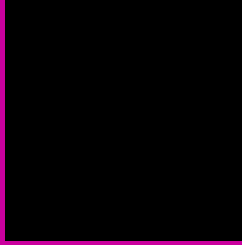
Any Text WCAG AA × Fail

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 202, 0, 158 Background



This preview shows how black text looks on a background with the RGB color 202, 0, 158.

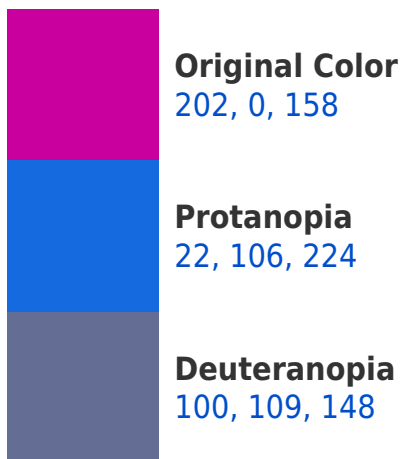


This preview shows how white text looks on a background with the RGB color 202, 0, 158.

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
195, 62, 66

Trichromacy



Original Color

202, 0, 158



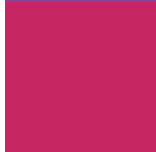
Protanomaly

87, 67, 200



Deuteranomaly

137, 69, 152



Tritanomaly

198, 39, 99

Monochromacy



Original Color

202, 0, 158



Achromatopsia

78, 78, 78



Achromatomaly

123, 50, 107

CSS Examples

Text

The CSS property to change the color of the text to RGB 202, 0, 158 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, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 158)  
}
```

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, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 158) }
```

Border

The CSS property to change the border of an element to RGB 202, 0, 158 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, 0, 158) }
```

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

```
.border{ border-color:rgb(202, 0, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 0, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
158) }
```

Background

The CSS property to change the background color of an element to RGB 202, 0, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 158) }
```

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

```
.background{ background-color: rgb(202, 0,  
158) }
```

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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