

Converting Colors

RGB(202, 83, 164)

Have a look what the booklet for
RGB(202, 83, 164) contains.

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Color

RGB(202, 83, 164)

Conversions

Conversions Part 1

Format	Color
Hex	CA53A4
RGB	202, 83, 164
RGB Percent	79%, 33%, 64%
CMY	0.2078, 0.6745, 0.3569
CMYK	0.00, 0.59, 0.19, 0.21
HSL	319°, 53%, 56%
HSV	319°, 59%, 79%
XYZ	34.1512, 21.4234, 37.4571
YIQ	127.8150, 44.9230, 50.4190

Conversions

Conversions Part 2

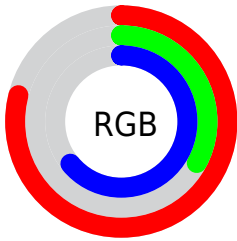
Format	Color
R_{YB}	202, 83, 164
Decimal	13259684
CIE _{Lab}	53.41, 56.28, -20.47
CIE _{LCh}	53, 59.887, 340.017
Yxy	21.4234, 0.3671, 0.2303
Android (android.graphics.Color)	4291449764 (0xFFCA53A4)
YUV	127.8150, 17.8392, 65.0602
Hunter-Lab	46.2854, 50.7049, -15.5815

Details

The RGB color **202, 83, 164** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **83, 202, 121**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **255, 138, 219**, and **145, 22, 112** is the 20% darker color. If you saturate the color by 10%, you get **202, 63, 158**, and if you desaturate by 10%, it is **202, 103, 170**.

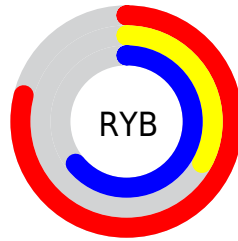
Distribution



Red (79%)

Green (33%)

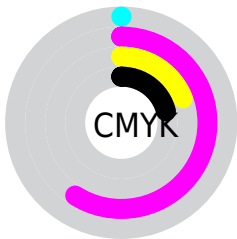
Blue (64%)



Red (79%)

Yellow (33%)

Blue (64%)

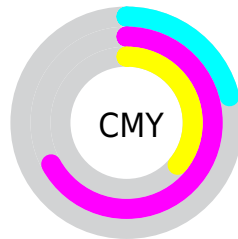


Cyan (0%)

Magenta (59%)

Yellow (19%)

Black (21%)



Cyan (21%)

Magenta (67%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RGB color 202, 83, 164 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, 83, 164 by changing the saturation by 10% instead.

 202, 83, 164

 202, 83, 164

255, 255, 255

 173, 55, 138

 255, 138, 219

 145, 22, 112

 255, 166, 248

 117, 0, 87

 255, 194, 255

 90, 0, 64

 255, 223, 255

 64, 0, 42

 255, 253, 255


 37, 0, 20

 0, 0, 0

 202, 83, 164

 202, 83, 164

 202, 63, 158

 202, 103, 170

■ 202, 43, 151

■ 202, 123, 177

■ 202, 22, 145

■ 202, 144, 183

■ 202, 2, 138

■ 202, 164, 190

■ 202, 0, 137

■ 202, 184, 196

■ 202, 204, 203

■ 202, 224, 209

■ 202, 245, 216

■ 202, 255, 222

Harmonies

Analogous

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



151, 106, 207



202, 83, 164



220, 75, 112

Triad

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



202, 83, 164



137, 131, 0



0, 150, 193

Complementary

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



202, 83, 164



83, 202, 121

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, 152, 144



202, 83, 164



80, 143, 40

Square

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



202, 83, 164



180, 112, 20



0, 149, 90



0, 143, 224

Rectangle

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



202, 83, 164



216, 83, 79



0, 149, 90



0, 151, 178

Sweetspot

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



202, 83, 164



255, 209, 240



121, 83, 202



128, 99, 119



0, 0, 0



128, 128, 128

Same Dimension

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



202, 83, 164



255, 74, 197



202, 83, 105



102, 92, 99



166, 0, 113



38, 0, 26

Inverse Universe

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



202, 83, 164



255, 74, 197



83, 202, 180



102, 92, 99



166, 0, 113



38, 0, 26

Previews

White Background



This preview shows how the RGB color 202, 83, 164 looks on a white background.

Color Contrast Check

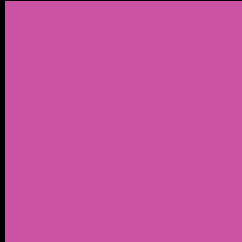
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83, 164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

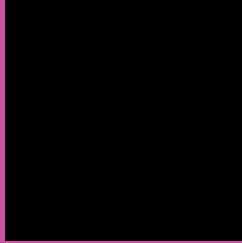
Any Text WCAG AA ✓ Pass

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, 83, 164 Background



This preview shows how black text looks on a background with the RGB color 202, 83, 164.

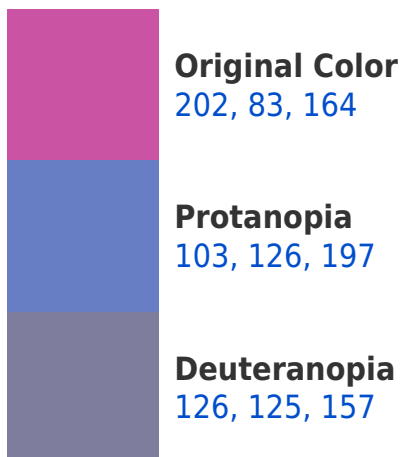



This preview shows how white text looks on a background with the RGB color 202, 83, 164.

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
196, 97, 104

Trichromacy



Original Color
202, 83, 164

Protanomaly
139, 110, 185

Deuteranomaly
154, 110, 160

Tritanomaly
198, 92, 126

Monochromacy



Original Color
202, 83, 164

Achromatopsia
128, 128, 128

Achromatomaly
155, 112, 141

CSS Examples

Text

The CSS property to change the color of the text to RGB 202, 83, 164 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, 83, 164)` looks like.

```
.text, #text, p{  
    color:rgb(202, 83, 164)  
}
```

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, 83, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 83, 164) }
```

Border

The CSS property to change the border of an element to RGB 202, 83, 164 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, 83, 164) }
```

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

```
.border{ border-color:rgb(202, 83, 164) }
```

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

Here you see how a box with a 4 pixel rgb(202, 83, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 83, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 83, 164);  
box-shadow:4px 4px 4px 4px rgb(202, 83,  
164) }
```

Background

The CSS property to change the background color of an element to RGB 202, 83, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 83, 164) }
```

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

```
.background{ background-color: rgb(202, 83,  
164) }
```

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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