

Converting Colors

`RYB(204, 88, 196)`

Have a look what the booklet for RYB(204, 88, 196) contains.

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Color

R_YB(204, 88, 196)

Conversions

Conversions Part 1

Format	Color
Hex	CC58C4
RGB	204, 88, 196
RGB Percent	80%, 35%, 77%
CMY	0.2000, 0.6549, 0.2314
CMYK	0.00, 0.57, 0.04, 0.20
HSL	304°, 53%, 57%
HSV	304°, 57%, 80%
XYZ	38.3554, 23.8023, 54.7973
YIQ	134.9960, 34.4680, 58.1800

Conversions

Conversions Part 2

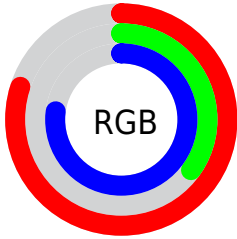
Format	Color
RYB	204, 88, 196
Decimal	13392068
CIELab	55.89, 59.62, -35.14
CIElCh	56, 69.204, 329.486
Yxy	23.8023, 0.3279, 0.2035
Android (android.graphics.Color)	4291582148 (0xFFCC58C4)
YUV	134.9960, 30.0750, 60.5165
Hunter-Lab	48.7876, 54.9529, -32.4420

Details

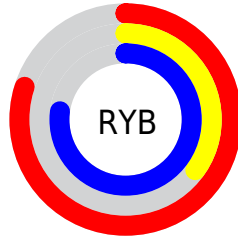
The RYB color **204, 88, 196** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **88, 197, 204**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 143, 253**, and **147, 28, 142** is the 20% darker color. If you saturate the color by 10%, you get **204, 68, 195**, and if you desaturate by 10%, it is **204, 108, 197**.

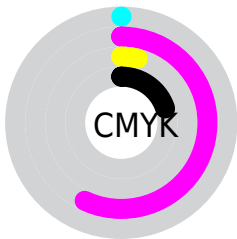
Distribution



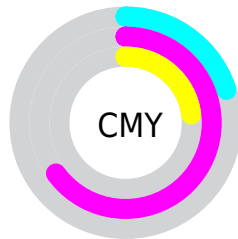
- Red (80%)
- Green (35%)
- Blue (77%)



- Red (80%)
- Yellow (35%)
- Blue (77%)



- Cyan (0%)
- Magenta (57%)
- Yellow (4%)
- Black (20%)



- Cyan (20%)
- Magenta (65%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 88, 196 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 RYB color 204, 88, 196 by changing the saturation by 10% instead.



204, 88, 196



204, 88, 196

255, 255, 255



175, 60, 169



255, 143, 253



147, 28, 142



255, 171, 255



119, 0, 116



255, 200, 255



92, 0, 91



255, 229, 255



65, 0, 67



41, 0, 44



0, 1, 22



0, 0, 0



204, 88, 196



204, 88, 196

■ 204, 68, 195

■ 204, 108, 197

■ 204, 47, 193

■ 204, 129, 199

■ 204, 27, 192

■ 204, 149, 200

■ 204, 6, 190

■ 204, 170, 202

■ 204, 0, 190

■ 204, 190, 203

■ 204, 210, 210

■ 204, 229, 231

■ 204, 248, 251

■ 204, 250, 255

Harmonies

Analogous

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



127, 118, 240



204, 88, 196



237, 67, 138

Triad

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



204, 88, 196



38, 162, 0



0, 88, 192

Complementary

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



204, 88, 196



88, 197, 204

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, 89, 161



204, 88, 196



0, 147, 45

Square

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



204, 88, 196



208, 179, 20



0, 109, 157



0, 94, 237

Rectangle

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



204, 88, 196



239, 71, 98



0, 109, 157



0, 83, 172

Sweetspot

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



204, 88, 196



255, 212, 252



96, 88, 204



128, 102, 126



0, 0, 0



128, 128, 128

Same Dimension

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



204, 88, 196



255, 82, 243



204, 88, 138



102, 92, 101



166, 0, 154



38, 0, 36

Inverse Universe

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



204, 88, 196



255, 82, 243



88, 162, 204



102, 92, 101



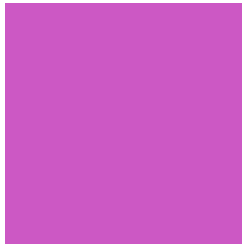
166, 0, 154



38, 0, 36

Previews

White Background



This preview shows how the RYB color 204, 88, 196 looks on a white background.

Color Contrast Check

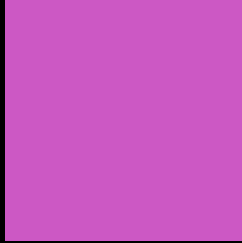
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 204, 88, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

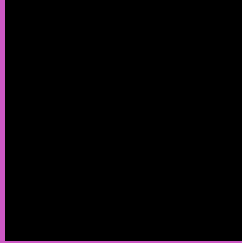
Any Text WCAG AA ✓ Pass

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](#).

RYB 204, 88, 196 Background



This preview shows how black text looks on a background with the RYB color 204, 88, 196.

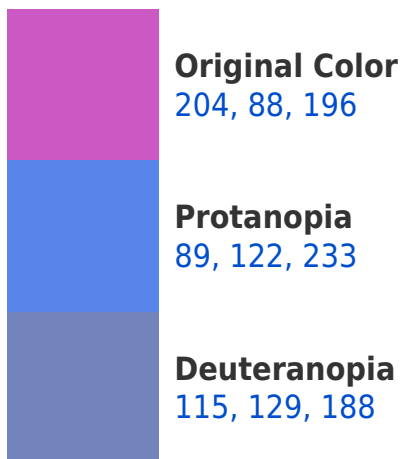



This preview shows how white text looks on a background with the RYB color 204, 88, 196.

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, 109, 117

Trichromacy



Original Color

204, 88, 196



Protanomaly

131, 115, 220



Deuteranomaly

147, 117, 191



Tritanomaly

198, 101, 146

Monochromacy



Original Color

204, 88, 196



Achromatopsia

135, 135, 135



Achromatomaly

160, 118, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 88, 196 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(204, 88, 196) looks like.

```
.text, #text, p{  
    color:rgb(204, 88, 196)  
}
```

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(204, 88, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 88, 196) }
```

Border

The CSS property to change the border of an element to RYB 204, 88, 196 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(204, 88, 196) }
```

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

```
.border{ border-color:rgb(204, 88, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 88, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 88, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 88, 196);  
box-shadow:4px 4px 4px 4px rgb(204, 88,  
196) }
```

Background

The CSS property to change the background color of an element to RGB 204, 88, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 88, 196) }
```

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

```
.background{ background-color: rgb(204, 88,  
196) }
```

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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