

Converting Colors

`RYB(212, 82, 208)`

Have a look what the booklet for RYB(212, 82, 208) contains.

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Color

R_YB(212, 82, 208)

Conversions

Conversions Part 1

Format	Color
Hex	D452D0
RGB	212, 82, 208
RGB Percent	83%, 32%, 82%
CMY	0.1686, 0.6784, 0.1843
CMYK	0.00, 0.61, 0.02, 0.17
HSL	302°, 60%, 58%
HSV	302°, 61%, 83%
XYZ	41.5538, 24.5857, 62.2299
YIQ	135.2340, 37.0340, 66.7460

Conversions

Conversions Part 2

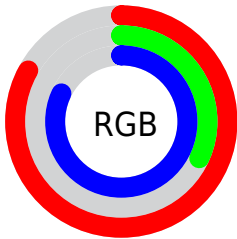
Format	Color
R _{YB}	212, 82, 208
Decimal	13914832
CIE Lab	56.67, 66.25, -40.68
CIE LCh	57, 77.748, 328.448
Yxy	24.5857, 0.3237, 0.1915
Android (android.graphics.Color)	4292104912 (0xFFD452D0)
YUV	135.2340, 35.8736, 67.3238
Hunter-Lab	49.5840, 62.8199, -39.7026

Details

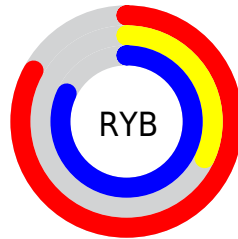
The RYB color **212, 82, 208** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **82, 208, 212**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 139, 255**, and **154, 9, 153** is the 20% darker color. If you saturate the color by 10%, you get **212, 61, 207**, and if you desaturate by 10%, it is **212, 103, 209**.

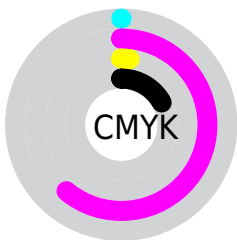
Distribution



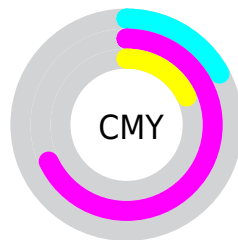
- Red (83%)
- Green (32%)
- Blue (82%)



- Red (83%)
- Yellow (32%)
- Blue (82%)



- Cyan (0%)
- Magenta (61%)
- Yellow (2%)
- Black (17%)



- Cyan (17%)
- Magenta (68%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 82, 208 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 212, 82, 208 by changing the saturation by 10% instead.



212, 82, 208



212, 82, 208

255, 255, 255



183, 52, 180



255, 139, 255



154, 9, 153



255, 167, 255



126, 0, 127



255, 196, 255



98, 0, 101



255, 226, 255



71, 0, 77



46, 0, 53



2, 0, 31



0, 0, 1



0, 0, 0

■ 212, 82, 208

■ 212, 82, 208

■ 212, 61, 207

■ 212, 103, 209

■ 212, 40, 207

■ 212, 124, 209

■ 212, 18, 206

■ 212, 146, 210

■ 212, 0, 205

■ 212, 167, 211

■ 212, 188, 211

■ 212, 209, 212

■ 212, 229, 230

■ 212, 251, 252

■ 212, 253, 255

Harmonies

Analogous

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



120, 119, 255



212, 82, 208



250, 51, 143

Triad

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



212, 82, 208



44, 167, 0



0, 90, 199

Complementary

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



212, 82, 208



82, 208, 212

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, 92, 165



212, 82, 208



0, 150, 50

Square

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



212, 82, 208



218, 195, 0



0, 117, 160



0, 98, 252

Rectangle

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



212, 82, 208



253, 56, 98



0, 117, 160



0, 86, 177

Sweetspot

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



212, 82, 208



255, 209, 254



84, 82, 212



128, 99, 127



0, 0, 0



128, 128, 128

Same Dimension

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



212, 82, 208



255, 66, 249



212, 82, 145



107, 96, 107



171, 0, 166



43, 0, 42

Inverse Universe

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



212, 82, 208



255, 66, 249



82, 168, 212



107, 96, 107



171, 0, 166



43, 0, 42

Previews

White Background



This preview shows how the RYB color 212, 82, 208 looks on a white background.

Color Contrast Check

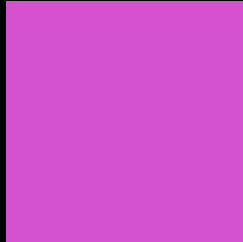
Large Text (above 18pt) WCAG AA ✓ Pass

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 212, 82, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

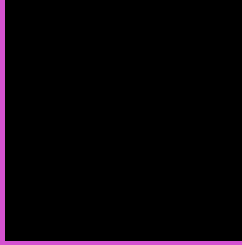
Any Text WCAG AA ✓ Pass

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 212, 82, 208 Background



This preview shows how black text looks on a background with the RGB color 212, 82, 208.

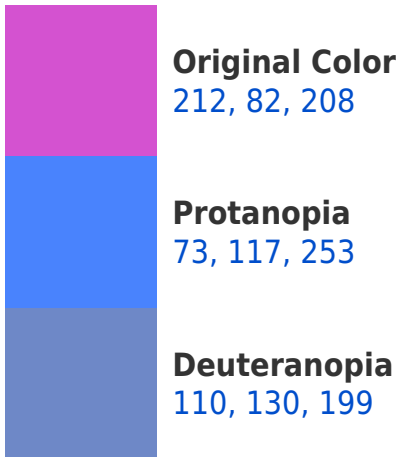



This preview shows how white text looks on a background with the RGB color 212, 82, 208.

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
201, 108, 116

Trichromacy



Original Color

212, 82, 208



Protanomaly

124, 114, 237



Deuteranomaly

147, 116, 202



Tritanomaly

205, 99, 149

Monochromacy



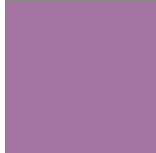
Original Color

212, 82, 208



Achromatopsia

135, 135, 135



Achromatomaly

163, 116, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 82, 208 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(212, 82, 208) looks like.

```
.text, #text, p{  
    color:rgb(212, 82, 208)  
}
```

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(212, 82, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 82, 208) }
```

Border

The CSS property to change the border of an element to RYB 212, 82, 208 is called "border". The border property can be set on classes, ids or directly on the HTML element.

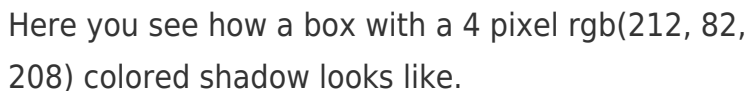
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 82, 208) }
```

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

```
.border{ border-color:rgb(212, 82, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(212, 82, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 82, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 82, 208); box-shadow:4px 4px 4px 4px rgb(212, 82, 208) }
```

Background

The CSS property to change the background color of an element to RGB 212, 82, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 82, 208) }
```

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

```
.background{ background-color: rgb(212, 82,  
208) }
```

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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