

Converting Colors

`RYB(212, 83, 207)`

Have a look what the booklet for
RYB(212, 83, 207) contains.

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Color

`RYB(212, 83, 207)`

Conversions

Conversions Part 1

Format	Color
Hex	D453CF
RGB	212, 83, 207
RGB Percent	83%, 33%, 81%
CMY	0.1686, 0.6745, 0.1882
CMYK	0.00, 0.61, 0.02, 0.17
HSL	302°, 60%, 58%
HSV	302°, 61%, 83%
XYZ	41.5071, 24.6886, 61.6092
YIQ	135.7070, 37.0800, 65.9120

Conversions

Conversions Part 2

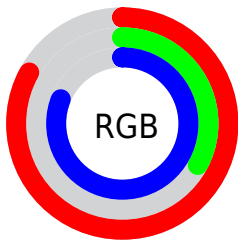
Format	Color
R _{YB}	212, 83, 207
Decimal	13915087
CIE Lab	56.77, 65.68, -39.95
CIE LCh	57, 76.874, 328.685
Yxy	24.6886, 0.3248, 0.1932
Android (android.graphics.Color)	4292105167 (0xFFD453CF)
YUV	135.7070, 35.1474, 66.9090
Hunter-Lab	49.6876, 62.1589, -38.7342

Details

The RYB color **212, 83, 207** 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 **83, 207, 212**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 140, 255**, and **154, 12, 152** is the 20% darker color. If you saturate the color by 10%, you get **212, 62, 206**, and if you desaturate by 10%, it is **212, 104, 208**.

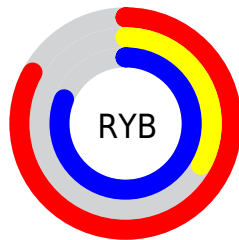
Distribution



Red (83%)

Green (33%)

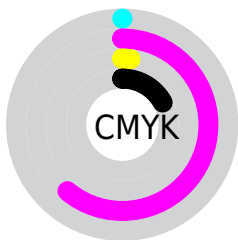
Blue (81%)



Red (83%)

Yellow (33%)

Blue (81%)

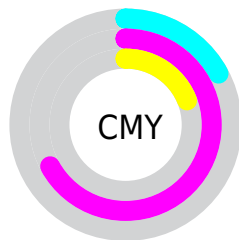


Cyan (0%)

Magenta (61%)

Yellow (2%)

Black (17%)



Cyan (17%)

Magenta (67%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 83, 207 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, 83, 207 by changing the saturation by 10% instead.

 212, 83, 207

 212, 83, 207

255, 255, 255

 183, 53, 179

 255, 140, 255

 154, 12, 152


 255, 168, 255

 126, 0, 126

 255, 197, 255

 98, 0, 100

 255, 226, 255

 71, 0, 76

 46, 0, 53

 3, 0, 30

 0, 0, 0

 212, 83, 207

 212, 83, 207

■ 212, 62, 206

■ 212, 104, 208

■ 212, 41, 205

■ 212, 125, 209

■ 212, 19, 205

■ 212, 147, 209

■ 212, 0, 204

■ 212, 168, 210

■ 212, 189, 211

■ 212, 210, 212

■ 212, 230, 231

■ 212, 251, 253

■ 212, 253, 255

Harmonies

Analogous

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



122, 120, 255



212, 83, 207



249, 53, 142

Triad

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



212, 83, 207



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, 83, 207



83, 207, 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, 83, 207



0, 151, 50

Square

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



212, 83, 207



217, 200, 0



0, 117, 161



0, 98, 251

Rectangle

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



212, 83, 207



252, 59, 98



0, 117, 161



0, 86, 177

Sweetspot

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



212, 83, 207



255, 209, 253



87, 83, 212



128, 99, 126



0, 0, 0



128, 128, 128

Same Dimension

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



212, 83, 207



255, 69, 248



212, 83, 143



107, 96, 107



171, 0, 164



43, 0, 42

Inverse Universe

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



212, 83, 207



255, 69, 248



83, 167, 212



107, 96, 107



171, 0, 164



43, 0, 42

Previews

White Background



This preview shows how the RYB color 212, 83, 207 looks on a white background.

Color Contrast Check

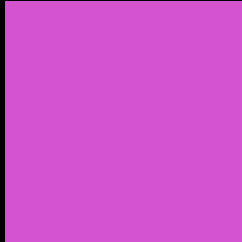
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

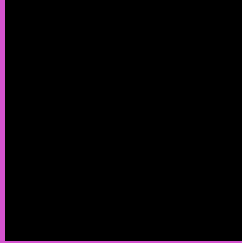
Any Text WCAG AA ✓ Pass

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 212, 83, 207 Background



This preview shows how black text looks on a background with the RYB color 212, 83, 207.

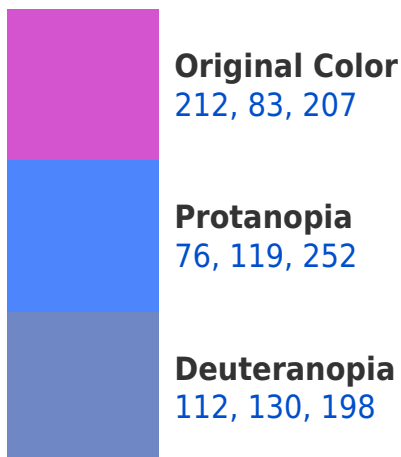



This preview shows how white text looks on a background with the RYB color 212, 83, 207.

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
202, 108, 116

Trichromacy



Original Color

212, 83, 207



Protanomaly

125, 115, 236



Deuteranomaly

148, 116, 201



Tritanomaly

206, 99, 149

Monochromacy



Original Color

212, 83, 207



Achromatopsia

136, 136, 136



Achromatomaly

164, 117, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 83, 207 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, 83, 207) looks like.

```
.text, #text, p{  
    color:rgb(212, 83, 207)  
}
```

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, 83, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 83, 207) }
```

Border

The CSS property to change the border of an element to RYB 212, 83, 207 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, 83, 207) }
```

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

```
.border{ border-color:rgb(212, 83, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 83, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 83, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 83, 207);  
box-shadow:4px 4px 4px 4px rgb(212, 83,  
207) }
```

Background

The CSS property to change the background color of an element to RGB 212, 83, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 83, 207) }
```

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

```
.background{ background-color: rgb(212, 83,  
207) }
```

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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