

Converting Colors

`RYB(212, 67, 200)`

Have a look what the booklet for
RYB(212, 67, 200) contains.

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Color

R_YB(212, 67, 200)

Conversions

Conversions Part 1

Format	Color
Hex	D443C8
RGB	212, 67, 200
RGB Percent	83%, 26%, 78%
CMY	0.1686, 0.7373, 0.2157
CMYK	0.00, 0.68, 0.06, 0.17
HSL	305°, 63%, 55%
HSV	305°, 68%, 83%
XYZ	39.5839, 22.1815, 56.8387
YIQ	125.5170, 43.7270, 72.1030

Conversions

Conversions Part 2

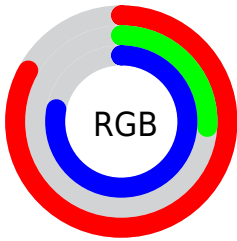
Format	Color
R_{YB}	212, 67, 200
Decimal	13910984
CIE _{Lab}	54.22, 70.72, -39.97
CIE _{LCh}	54, 81.235, 330.527
Yxy	22.1815, 0.3337, 0.1870
Android (android.graphics.Color)	4292101064 (0xFFD443C8)
YUV	125.5170, 36.7201, 75.8456
Hunter-Lab	47.0972, 67.6039, -38.5854

Details

The RYB color **212, 67, 200** 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 **67, 201, 212**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **255, 126, 255**, and **154, 0, 145** is the 20% darker color. If you saturate the color by 10%, you get **212, 46, 198**, and if you desaturate by 10%, it is **212, 88, 202**.

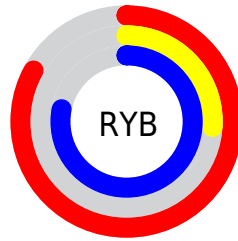
Distribution



Red (83%)

Green (26%)

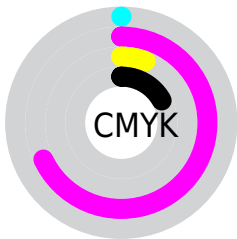
Blue (78%)



Red (83%)

Yellow (26%)

Blue (78%)

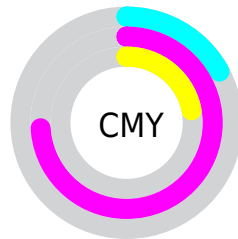


Cyan (0%)

Magenta (68%)

Yellow (6%)

Black (17%)



Cyan (17%)

Magenta (74%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 67, 200 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, 67, 200 by changing the saturation by 10% instead.



212, 67, 200



212, 67, 200

255, 255, 255



183, 31, 172



255, 126, 255



154, 0, 145



255, 155, 255



125, 0, 119



255, 184, 255



97, 0, 94



255, 213, 255



70, 0, 70



255, 243, 255



43, 0, 47



0, 0, 25



0, 0, 0



212, 67, 200



212, 67, 200

■ 212, 46, 198

■ 212, 88, 202

■ 212, 25, 196

■ 212, 109, 204

■ 212, 3, 195

■ 212, 131, 205

■ 212, 0, 194

■ 212, 152, 207

■ 212, 173, 209

■ 212, 194, 211

■ 212, 215, 215

■ 212, 235, 237

■ 212, 251, 255

Harmonies

Analogous

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



120, 110, 252



212, 67, 200



248, 24, 132

Triad

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



212, 67, 200



36, 156, 0



0, 89, 200

Complementary

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



212, 67, 200



67, 201, 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, 88, 159



212, 67, 200



0, 145, 60

Square

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



212, 67, 200



210, 180, 0



0, 115, 155



0, 96, 252

Rectangle

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



212, 67, 200



249, 39, 85



0, 115, 155



0, 84, 177

Sweetspot

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



212, 67, 200



255, 201, 251



77, 67, 212



128, 96, 125



0, 0, 0



128, 128, 128

Same Dimension

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



212, 67, 200



255, 46, 238



212, 67, 130



107, 96, 106



171, 0, 157



43, 0, 40

Inverse Universe

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



212, 67, 200



255, 46, 238



67, 160, 212



107, 96, 106



171, 0, 157



43, 0, 40

Previews

White Background



This preview shows how the RYB color 212, 67, 200 looks on a white background.

Color Contrast Check

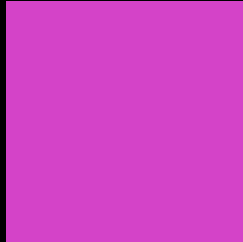
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

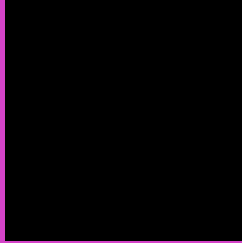
Any Text WCAG AA ✓ Pass

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, 67, 200 Background



This preview shows how black text looks on a background with the RGB color 212, 67, 200.

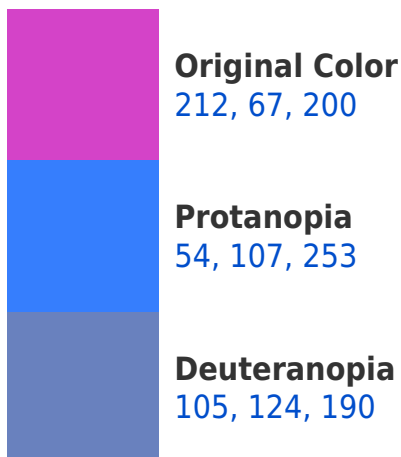


This preview shows how white text looks on a background with the RGB color 212, 67, 200.

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, 97, 104

Trichromacy



Original Color

212, 67, 200



Protanomaly

111, 105, 234



Deuteranomaly

144, 106, 194



Tritanomaly

206, 86, 139

Monochromacy



Original Color

212, 67, 200



Achromatopsia

126, 126, 126



Achromatomaly

157, 105, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 67, 200 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, 67, 200)` looks like.

```
.text, #text, p{  
    color:rgb(212, 67, 200)  
}
```

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, 67, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 67, 200) }
```

Border

The CSS property to change the border of an element to RYB 212, 67, 200 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, 67, 200) }
```

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

```
.border{ border-color:rgb(212, 67, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 67, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 67, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 67, 200);  
box-shadow:4px 4px 4px 4px rgb(212, 67,  
200) }
```

Background

The CSS property to change the background color of an element to RGB 212, 67, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 67, 200) }
```

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

```
.background{ background-color: rgb(212, 67,  
200) }
```

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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