

Converting Colors

`RYB(212, 112, 189)`

Have a look what the booklet for
RYB(212, 112, 189) contains.

RYB(212, 112, 189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(212, 112, 189)$

Conversions

Conversions Part 1

Format	Color
Hex	D470BD
RGB	212, 112, 189
RGB Percent	83%, 44%, 74%
CMY	0.1686, 0.5608, 0.2588
CMYK	0.00, 0.47, 0.11, 0.17
HSL	314°, 54%, 64%
HSV	314°, 47%, 83%
XYZ	42.1309, 29.2595, 51.5712
YIQ	150.6780, 34.8830, 45.1470

Conversions

Conversions Part 2

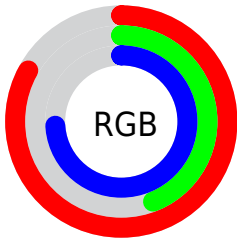
Format	Color
R _Y B	212, 112, 189
Decimal	13922493
CIE Lab	61.01, 49.29, -23.12
CIE LCh	61, 54.448, 334.868
Yxy	29.2595, 0.3426, 0.2380
Android (android.graphics.Color)	4292112573 (0xFFD470BD)
YUV	150.6780, 18.8927, 53.7794
Hunter-Lab	54.0921, 44.3677, -18.6625

Details

The RYB color **212, 112, 189** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **112, 193, 212**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **255, 166, 245**, and **155, 59, 135** is the 20% darker color. If you saturate the color by 10%, you get **212, 91, 184**, and if you desaturate by 10%, it is **212, 133, 194**.

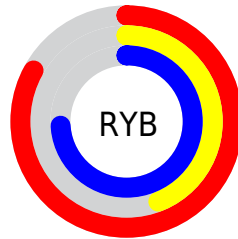
Distribution



Red (83%)

Green (44%)

Blue (74%)



Red (83%)

Yellow (44%)

Blue (74%)

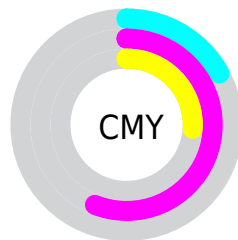


Cyan (0%)

Magenta (47%)

Yellow (11%)

Black (17%)



Cyan (17%)

Magenta (56%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 112, 189 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, 112, 189 by changing the saturation by 10% instead.

 212, 112, 189


255, 255, 255

 255, 166, 245

 255, 195, 255

 255, 223, 255

 255, 252, 255

 212, 112, 189

 183, 85, 162

 155, 59, 135

 128, 31, 110

 101, 0, 85

 75, 0, 62

 52, 0, 40

 17, 0, 17

 0, 0, 0

 212, 112, 189

 212, 112, 189

■ 212, 91, 184

■ 212, 133, 194

■ 212, 70, 179

■ 212, 154, 199

■ 212, 48, 174

■ 212, 176, 204

■ 212, 27, 169

■ 212, 197, 209

■ 212, 6, 165

■ 212, 217, 218

■ 212, 0, 163

■ 212, 234, 239

■ 212, 246, 255

■ 212, 243, 255

■ 212, 241, 255

Harmonies

Analogous

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



160, 131, 227



212, 112, 189



234, 103, 141

Triad

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



212, 112, 189



67, 166, 44



0, 92, 201

Complementary

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



212, 112, 189



112, 193, 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, 90, 171



212, 112, 189



63, 160, 107

Square

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



212, 112, 189



205, 199, 58



35, 123, 168



0, 96, 234

Rectangle

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



212, 112, 189



234, 107, 110



35, 123, 168



0, 89, 186

Sweetspot

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



212, 112, 189



255, 219, 247



134, 112, 212



128, 106, 123



0, 0, 0



128, 128, 128

Same Dimension

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



212, 112, 189



255, 110, 222



212, 112, 140



107, 96, 105



171, 0, 132



43, 0, 33

Inverse Universe

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



212, 112, 189



255, 110, 222



112, 170, 212



107, 96, 105



171, 0, 132



43, 0, 33

Previews

White Background



This preview shows how the RYB color 212, 112, 189 looks on a white background.

Color Contrast Check

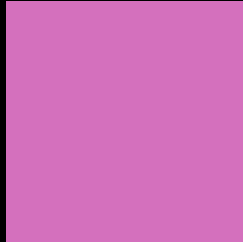
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112, 189 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, 112, 189 Background



This preview shows how black text looks on a background with the RYB color 212, 112, 189.

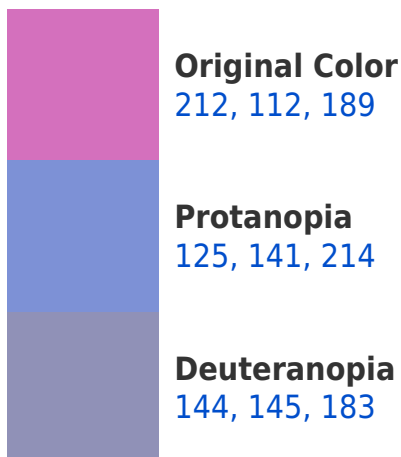



This preview shows how white text looks on a background with the RYB color 212, 112, 189.

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
206, 124, 133

Trichromacy



Original Color

212, 112, 189



Protanomaly

157, 133, 205



Deuteranomaly

169, 133, 185



Tritanomaly

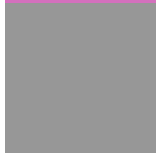
208, 120, 153

Monochromacy



Original Color

212, 112, 189



Achromatopsia

151, 151, 151



Achromatomaly

173, 137, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 112, 189 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, 112, 189)` looks like.

```
.text, #text, p{  
    color:rgb(212, 112, 189)  
}
```

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, 112, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 112, 189) }
```

Border

The CSS property to change the border of an element to RYB 212, 112, 189 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, 112, 189) }
```

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

```
.border{ border-color:rgb(212, 112, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 112, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 112, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 112, 189);  
box-shadow:4px 4px 4px 4px rgb(212, 112,  
189) }
```

Background

The CSS property to change the background color of an element to RGB 212, 112, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 112, 189) }
```

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

```
.background{ background-color: rgb(212,  
112, 189) }
```

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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