

Converting Colors

`RYB(212, 176, 232)`

Have a look what the booklet for
RYB(212, 176, 232) contains.

RYB(212, 176, 232)	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

R_YB(212, 176, 232)

Conversions

Conversions Part 1

Format	Color
Hex	D4B0E8
RGB	212, 176, 232
RGB Percent	83%, 69%, 91%
CMY	0.1686, 0.3098, 0.0902
CMYK	0.09, 0.24, 0.00, 0.09
HSL	279°, 55%, 80%
HSV	279°, 24%, 91%
XYZ	57.2422, 50.8739, 83.1466
YIQ	193.1480, 3.4800, 25.0480

Conversions

Conversions Part 2

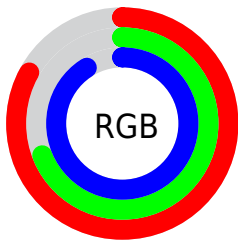
Format	Color
R _Y B	212, 176, 232
Decimal	13938920
CIE Lab	76.60, 23.09, -23.15
CIE LCh	77, 32.697, 314.935
Yxy	50.8739, 0.2993, 0.2660
Android (android.graphics.Color)	4292129000 (0xFFD4B0E8)
YUV	193.1480, 19.1540, 16.5332
Hunter-Lab	71.3260, 18.4337, -19.1878

Details

The RYB color **212, 176, 232** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **176, 232, 212**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **255, 232, 255**, and **157, 123, 176** is the 20% darker color. If you saturate the color by 10%, you get **204, 153, 232**, and if you desaturate by 10%, it is **220, 199, 232**.

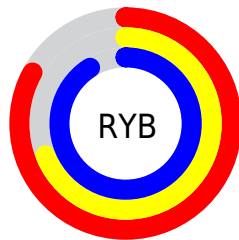
Distribution



Red (83%)

Green (69%)

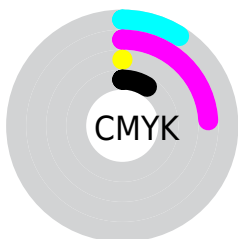
Blue (91%)



Red (83%)

Yellow (69%)

Blue (91%)

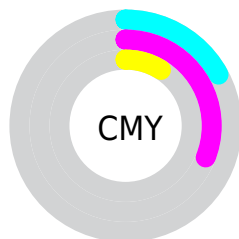


Cyan (9%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (17%)


Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the RYB color 212, 176, 232 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, 176, 232 by changing the saturation by 10% instead.

 212, 176, 232

255, 255, 255


 255, 232, 255

 212, 176, 232

 184, 149, 204

 157, 123, 176

 130, 98, 149

 105, 74, 124

 80, 51, 98

 56, 29, 74

 34, 7, 52

 2, 0, 30

 0, 0, 0

■ 212, 176, 232

■ 212, 176, 232

■ 204, 153, 232

■ 220, 199, 232

■ 195, 130, 232

■ 229, 222, 232

■ 187, 106, 232

■ 232, 246, 241

■ 179, 83, 232

■ 232, 255, 242

■ 171, 60, 232

■ 232, 255, 234

■ 162, 37, 232

■ 232, 255, 232

■ 154, 14, 232

■ 149, 0, 232

Harmonies

Analogous

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



172, 185, 247



212, 176, 232



239, 168, 206

Triad

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



212, 176, 232



208, 224, 131



97, 152, 206

Complementary

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



212, 176, 232



176, 232, 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.



126, 176, 205



212, 176, 232



133, 195, 130

Square

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



212, 176, 232



244, 180, 148



145, 200, 184



95, 155, 231

Rectangle

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



212, 176, 232



248, 166, 185



145, 200, 184



105, 159, 206

Sweetspot

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



212, 176, 232



249, 237, 255



176, 191, 232



124, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



212, 176, 232



229, 181, 255



232, 176, 225



111, 103, 115



115, 0, 179



33, 0, 51

Inverse Universe

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



232, 176, 196



255, 181, 207



176, 226, 232



115, 103, 107



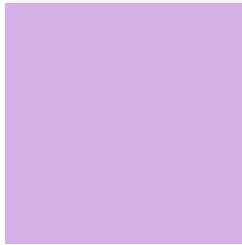
179, 0, 64



51, 0, 18

Previews

White Background



This preview shows how the RYB color 212, 176, 232 looks on a white background.

Color Contrast Check

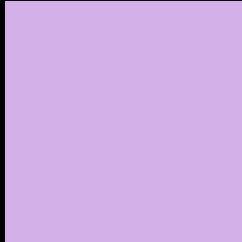
Large Text (above 18pt) WCAG AA × Fail

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, 176, 232 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 212, 176, 232 Background



This preview shows how black text looks on a background with the RYB color 212, 176, 232.

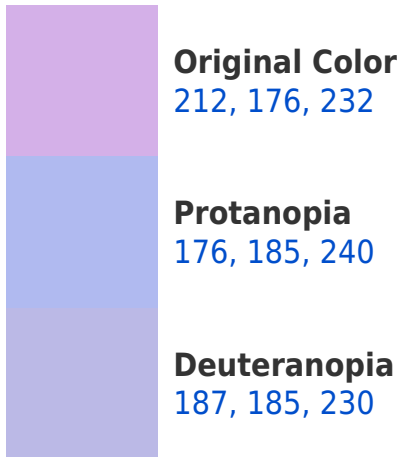


This preview shows how white text looks on a background with the RYB color 212, 176, 232.

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
207, 182, 197

Trichromacy



Original Color
212, 176, 232

Protanomaly
189, 183, 237

Deuteranomaly
196, 182, 231

Tritanomaly
209, 180, 210

Monochromacy



Original Color
212, 176, 232

Achromatopsia
193, 193, 193

Achromatomaly
200, 187, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 176, 232 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, 176, 232) looks like.

```
.text, #text, p{  
    color:rgb(212, 176, 232)  
}
```

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, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 176, 232) }
```

Border

The CSS property to change the border of an element to RYB 212, 176, 232 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, 176, 232) }
```

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

```
.border{ border-color:rgb(212, 176, 232) }
```

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

Here you see how a box with a 4 pixel rgb(212, 176, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(212, 176,  
232) }
```

Background

The CSS property to change the background color of an element to RYB 212, 176, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 176, 232) }
```

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

```
.background{ background-color: rgb(212,  
176, 232) }
```

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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