

Converting Colors

`RYB(198, 176, 220)`

Have a look what the booklet for
RYB(198, 176, 220) contains.

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Color

R_YB(198, 176, 220)

Conversions

Conversions Part 1

Format	Color
Hex	C6B0DC
RGB	198, 176, 220
RGB Percent	78%, 69%, 86%
CMY	0.2235, 0.3098, 0.1373
CMYK	0.10, 0.20, 0.00, 0.14
HSL	270°, 39%, 78%
HSV	270°, 20%, 86%
XYZ	51.7323, 48.2237, 74.2917
YIQ	187.5940, -1.0120, 18.3480

Conversions

Conversions Part 2

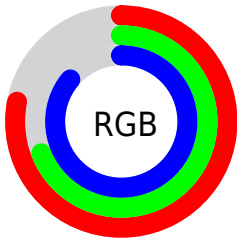
Format	Color
RYB	198, 176, 220
Decimal	13021404
CIELab	74.97, 16.14, -19.23
CIELCh	75, 25.110, 310.004
Yxy	48.2237, 0.2969, 0.2768
Android (android.graphics.Color)	4291211484 (0xFFC6B0DC)
YUV	187.5940, 15.9762, 9.1261
Hunter-Lab	69.4433, 11.4491, -14.8192

Details

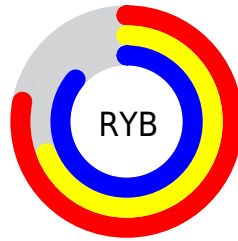
The RYB color **198, 176, 220** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **176, 220, 198**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **255, 232, 255**, and **144, 123, 165** is the 20% darker color. If you saturate the color by 10%, you get **187, 154, 220**, and if you desaturate by 10%, it is **209, 198, 220**.

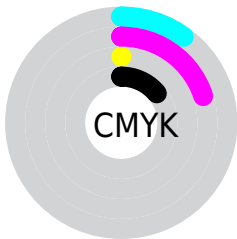
Distribution



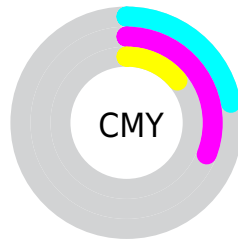
- Red (78%)
- Green (69%)
- Blue (86%)



- Red (78%)
- Yellow (69%)
- Blue (86%)



- Cyan (10%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)



- Cyan (22%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 176, 220 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 198, 176, 220 by changing the saturation by 10% instead.

■ 198, 176, 220

255, 255, 255

■ 255, 232, 255

■ 198, 176, 220

■ 171, 149, 192

■ 144, 123, 165

■ 118, 98, 139

■ 93, 74, 113

■ 69, 52, 88

■ 46, 30, 65


■ 25, 8, 43

■ 0, 1, 22

■ 0, 0, 0

 198, 176, 220

 198, 176, 220

 187, 154, 220

 209, 198, 220

 176, 132, 220


 220, 220, 220

 165, 110, 220

 220, 242, 231

 154, 88, 220


 220, 255, 233

 143, 66, 220

 220, 255, 222

 132, 44, 220

 220, 255, 220

 121, 22, 220

 110, 0, 220

Harmonies

Analogous

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



167, 180, 230



198, 176, 220



221, 170, 201

Triad

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



198, 176, 220



216, 212, 142



122, 162, 198

Complementary

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



198, 176, 220



176, 220, 198

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.



142, 178, 196



198, 176, 220



148, 194, 139

Square

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



198, 176, 220



229, 175, 156



149, 192, 173



119, 161, 213

Rectangle

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



198, 176, 220



229, 168, 185



149, 192, 173



128, 167, 198

Sweetspot

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



198, 176, 220



247, 240, 255



176, 191, 220



123, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



198, 176, 220



224, 194, 255



220, 176, 220



104, 99, 110



87, 0, 173



23, 0, 46

Inverse Universe

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



220, 176, 198



255, 194, 224



176, 220, 220



110, 99, 104



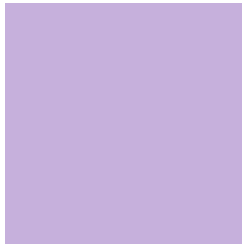
173, 0, 87



46, 0, 23

Previews

White Background



This preview shows how the RYB color 198, 176, 220 looks on a white background.

Color Contrast Check

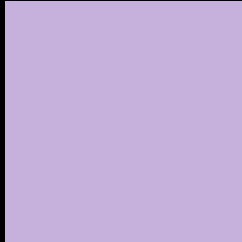
Large Text (above 18pt) WCAG AA × Fail

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 198, 176, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

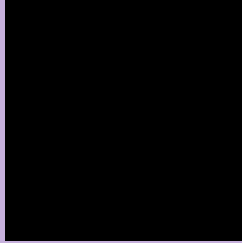
Any Text WCAG AA ✓ Pass

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 198, 176, 220 Background



This preview shows how black text looks on a background with the RYB color 198, 176, 220.



This preview shows how white text looks on a background with the RYB color 198, 176, 220.

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



Original Color
198, 176, 220

Protanopia
175, 182, 225

Deuteranopia
186, 180, 219



Tritanopia
194, 180, 195

Trichromacy



Original Color
198, 176, 220

Protanomaly
183, 180, 223

Deuteranomaly
190, 179, 219

Tritanomaly
195, 179, 204

Monochromacy



Original Color
198, 176, 220

Achromatopsia
188, 188, 188

Achromatomaly
192, 184, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 198, 176, 220 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(198, 176, 220)` looks like.

```
.text, #text, p{  
    color:rgb(198, 176, 220)  
}
```

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(198, 176, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 176, 220) }
```

Border

The CSS property to change the border of an element to RYB 198, 176, 220 is called "border". The border property can be set on classes, ids or directly on the HTML element.

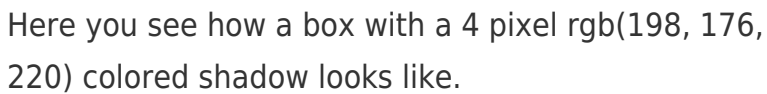
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 176, 220) }
```

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

```
.border{ border-color:rgb(198, 176, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 176, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 176, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 176, 220); box-shadow:4px 4px 4px 4px rgb(198, 176, 220) }
```

Background

The CSS property to change the background color of an element to RYB 198, 176, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 176, 220) }
```

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

```
.background{ background-color: rgb(198,  
176, 220) }
```

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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