

Converting Colors

`RYB(176, 198, 224)`

Have a look what the booklet for
RYB(176, 198, 224) contains.

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Color

$\text{RYB}(176, 198, 224)$

Conversions

Conversions Part 1

Format	Color
Hex	B0D9E0
RGB	176, 217, 224
RGB Percent	69%, 85%, 88%
CMY	0.3098, 0.1505, 0.1216
CMYK	0.21, 0.03, 0.00, 0.12
HSL	189°, 44%, 78%
HSV	189°, 21%, 88%
XYZ	56.0729, 64.0396, 79.9265
YIQ	205.5390, -26.6830, -6.5150

Conversions

Conversions Part 2

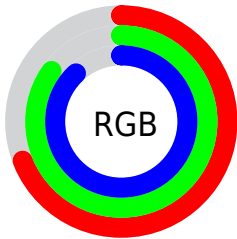
Format	Color
R _Y B	176, 198, 224
Decimal	11590112
CIE Lab	83.99, -11.63, -8.03
CIE LCh	84, 14.128, 214.613
Yxy	64.0396, 0.2803, 0.3201
Android (android.graphics.Color)	4289780192 (0xFFB0D9E0)
YUV	205.5390, 9.1013, -25.9057
Hunter-Lab	80.0247, -14.9694, -3.1999

Details

The RYB color **176, 198, 224** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **224, 184, 176**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **232, 244, 255**, and **122, 144, 169** is the 20% darker color. If you saturate the color by 10%, you get **154, 186, 224**, and if you desaturate by 10%, it is **198, 210, 224**.

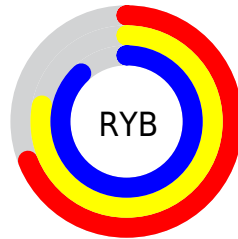
Distribution



Red (69%)

Green (85%)

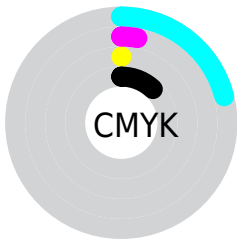
Blue (88%)



Red (69%)

Yellow (78%)

Blue (88%)

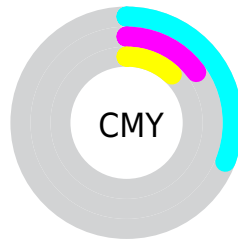


Cyan (21%)

Magenta (3%)

Yellow (0%)

Black (12%)



Cyan (31%)

Magenta (15%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 198, 224 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 176, 198, 224 by changing the saturation by 10% instead.

■ 176, 198, 224

255, 255, 255

■ 232, 244, 255

■ 176, 198, 224

■ 149, 171, 196

■ 122, 144, 169

■ 97, 118, 142

■ 72, 93, 117

■ 47, 68, 92

■ 23, 44, 69


■ 0, 21, 46

■ 0, 12, 26


■ 0, 0, 0

 176, 198, 224

 176, 198, 224

 154, 186, 224


 198, 210, 224

 131, 174, 224


 221, 223, 224

 109, 162, 224


 243, 228, 224

 86, 149, 224


 255, 231, 224

 64, 137, 224

 255, 239, 224

 42, 125, 224

 255, 246, 224

 19, 113, 224

 250, 255, 224

 0, 103, 224

 241, 255, 224

 233, 255, 224

Harmonies

Analogous

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



178, 199, 217



176, 198, 224



183, 202, 233

Triad

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



176, 198, 224



229, 202, 221



195, 218, 183

Complementary

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



176, 198, 224



224, 184, 176

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.



231, 219, 186



176, 198, 224



237, 200, 208

Square

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



176, 198, 224



215, 205, 231



237, 203, 195



187, 213, 197

Rectangle

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



176, 198, 224



192, 205, 236



237, 203, 195



207, 223, 183

Sweetspot

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



176, 198, 224



240, 247, 255



176, 218, 224



119, 123, 128



0, 0, 0



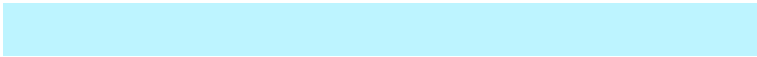
128, 128, 128

Same Dimension

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



176, 198, 224



189, 219, 255



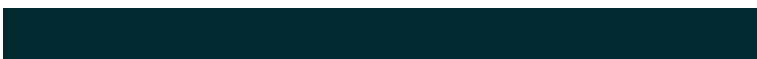
176, 189, 224



101, 106, 112



0, 81, 176



0, 22, 48

Inverse Universe

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



224, 176, 217



255, 189, 245



202, 224, 176



112, 101, 110



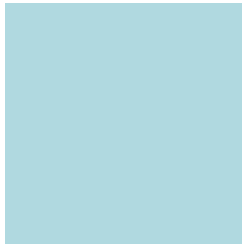
176, 0, 149



48, 0, 41

Previews

White Background



This preview shows how the RYB color 176, 198, 224 looks on a white background.

Color Contrast Check

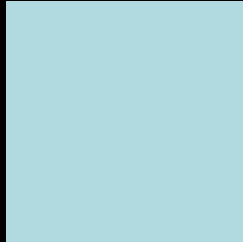
Large Text (above 18pt) WCAG AA × Fail

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 176, 198, 224 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 176, 198, 224 Background



This preview shows how black text looks on a background with the RYB color 176, 198, 224.

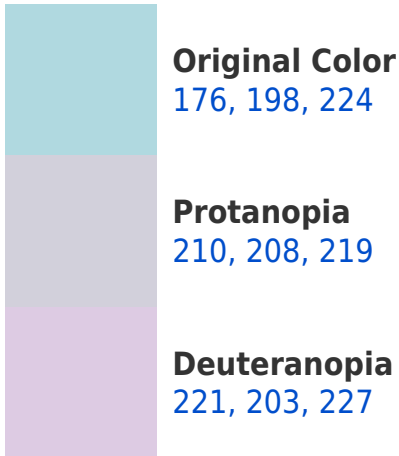


This preview shows how white text looks on a background with the RYB color 176, 198, 224.

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](#).

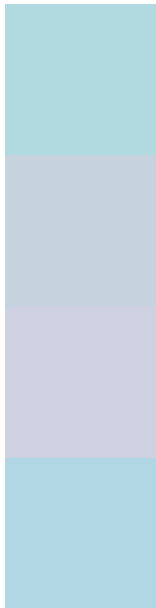
Dichromacy





Tritanopia
178, 200, 232

Trichromacy



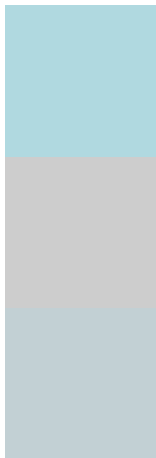
Original Color
176, 198, 224

Protanomaly
198, 206, 221

Deuteranomaly
205, 208, 226

Tritanomaly
177, 199, 229

Monochromacy



Original Color
176, 198, 224

Achromatopsia
205, 205, 205

Achromatomaly
194, 202, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 198, 224 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(176, 217, 224)` looks like.

```
.text, #text, p{  
    color:rgb(176, 217, 224)  
}
```

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(176, 217, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 217, 224) }
```

Border

The CSS property to change the border of an element to RYB 176, 198, 224 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(176, 217, 224) }
```

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

```
.border{ border-color:rgb(176, 217, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 217, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 217, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 217, 224);  
box-shadow:4px 4px 4px 4px rgb(176, 217,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 176, 198, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 217, 224) }
```

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

```
.background{ background-color: rgb(176,  
217, 224) }
```

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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