

Converting Colors

`RYB(175, 178, 216)`

Have a look what the booklet for RYB(175, 178, 216) contains.

RYB(175, 178, 216)	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(175, 178, 216)

Conversions

Conversions Part 1

Format	Color
Hex	AFB2D8
RGB	175, 178, 216
RGB Percent	69%, 70%, 85%
CMY	0.3137, 0.3010, 0.1529
CMYK	0.19, 0.17, 0.00, 0.15
HSL	235°, 34%, 77%
HSV	235°, 19%, 85%
XYZ	46.0414, 46.0070, 71.4193
YIQ	181.4350, -13.9860, 11.1820

Conversions

Conversions Part 2

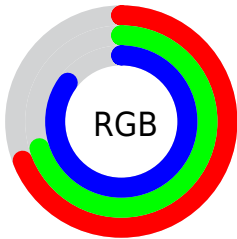
Format	Color
RYB	175, 178, 216
Decimal	11514584
CIELab	73.55, 6.69, -19.38
CIELCh	74, 20.499, 289.047
Yxy	46.0070, 0.2817, 0.2814
Android (android.graphics.Color)	4289704664 (0xFFAFB2D8)
YUV	181.4350, 17.0405, -5.6435
Hunter-Lab	67.8284, 2.4647, -14.9490

Details

The RYB color **175, 178, 216** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **178, 216, 175**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **231, 234, 255**, and **122, 125, 161** is the 20% darker color. If you saturate the color by 10%, you get **153, 158, 216**, and if you desaturate by 10%, it is **197, 198, 216**.

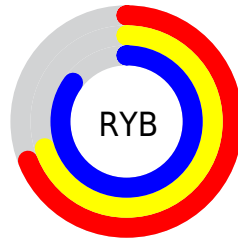
Distribution



Red (69%)

Green (70%)

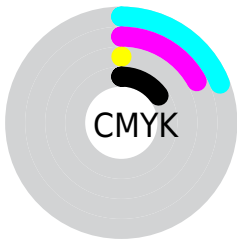
Blue (85%)



Red (69%)

Yellow (70%)

Blue (85%)

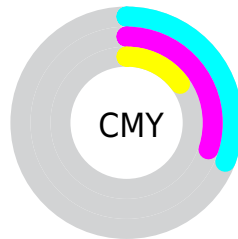


Cyan (19%)

Magenta (17%)

Yellow (0%)

Black (15%)



Cyan (31%)

Magenta (30%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 178, 216 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 175, 178, 216 by changing the saturation by 10% instead.

■ 175, 178, 216

255, 255, 255

■ 231, 234, 255

■ 175, 178, 216

■ 148, 152, 188

■ 122, 126, 161

■ 97, 101, 135

■ 72, 76, 109

■ 49, 53, 85

■ 26, 32, 62

■ 4, 9, 40

■ 0, 1, 18

■ 0, 0, 0

■ 175, 178, 216

■ 175, 178, 216

■ 153, 158, 216

■ 197, 198, 216

■ 132, 138, 216

■ 216, 218, 216

■ 110, 118, 216

■ 218, 240, 216

■ 89, 98, 216

■ 216, 255, 216

■ 67, 78, 216

■ 45, 58, 216

■ 24, 38, 216

■ 2, 18, 216

■ 0, 16, 216

Harmonies

Analogous

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



150, 173, 217



175, 178, 216



198, 172, 205

Triad

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



175, 178, 216



215, 178, 153



141, 171, 191

Complementary

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



175, 178, 216



178, 216, 175

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.



156, 188, 183



175, 178, 216



188, 202, 144

Square

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



175, 178, 216



220, 168, 169



145, 183, 146



130, 161, 192

Rectangle

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



175, 178, 216



210, 169, 195



145, 183, 146



147, 176, 190

Sweetspot

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



175, 178, 216



240, 241, 255



175, 196, 216



119, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



175, 178, 216



196, 201, 255



192, 175, 216



96, 97, 107



0, 12, 171



0, 3, 43

Inverse Universe

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



216, 175, 178



255, 196, 201



175, 216, 192



107, 96, 97



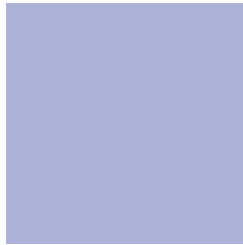
171, 0, 13



43, 0, 3

Previews

White Background



This preview shows how the RYB color 175, 178, 216 looks on a white background.

Color Contrast Check

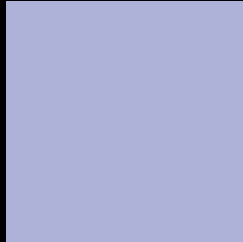
Large Text (above 18pt) WCAG AA × Fail

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 175, 178, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

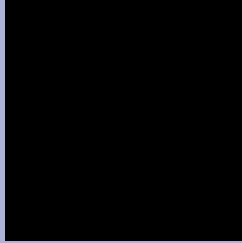
Any Text WCAG AA ✓ Pass

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 175, 178, 216 Background



This preview shows how black text looks on a background with the RYB color 175, 178, 216.



This preview shows how white text looks on a background with the RYB color 175, 178, 216.

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](#).

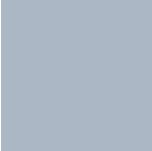
Dichromacy



Original Color
175, 178, 216

Protanopia
173, 178, 216

Deuteranopia
180, 176, 216



Tritanopia
171, 179, 196

Trichromacy



Original Color

175, 178, 216

Protanomaly

174, 178, 216

Deuteranomaly

178, 177, 216

Tritanomaly

172, 179, 203

Monochromacy



Original Color

175, 178, 216

Achromatopsia

182, 182, 182

Achromatomaly

179, 181, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 178, 216 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(175, 178, 216)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 216)  
}
```

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(175, 178, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 216) }
```

Border

The CSS property to change the border of an element to RYB 175, 178, 216 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(175, 178, 216) }
```

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

```
.border{ border-color:rgb(175, 178, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 216);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 175, 178, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 216) }
```

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

```
.background{ background-color: rgb(175,  
178, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor