

Converting Colors

`RYB(180, 178, 218)`

Have a look what the booklet for RYB(180, 178, 218) contains.

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Color

R_YB(180, 178, 218)

Conversions

Conversions Part 1

Format	Color
Hex	B4B2DA
RGB	180, 178, 218
RGB Percent	71%, 70%, 85%
CMY	0.2941, 0.3020, 0.1451
CMYK	0.17, 0.18, 0.00, 0.15
HSL	243°, 35%, 78%
HSV	243°, 18%, 85%
XYZ	47.3977, 46.6060, 72.8274
YIQ	183.1580, -11.6480, 12.8640

Conversions

Conversions Part 2

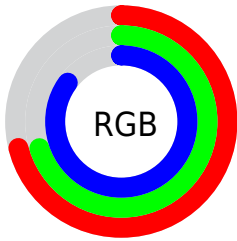
Format	Color
RYB	180, 178, 218
Decimal	11842266
CIELab	73.94, 8.84, -19.84
CIELCh	74, 21.723, 294.012
Yxy	46.6060, 0.2841, 0.2794
Android (android.graphics.Color)	4290032346 (0xFFB4B2DA)
YUV	183.1580, 17.1771, -2.7696
Hunter-Lab	68.2686, 4.4593, -15.4612

Details

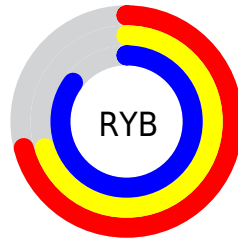
The RYB color **180, 178, 218** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **178, 218, 180**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **236, 234, 255**, and **127, 125, 163** is the 20% darker color. If you saturate the color by 10%, you get **159, 156, 218**, and if you desaturate by 10%, it is **201, 200, 218**.

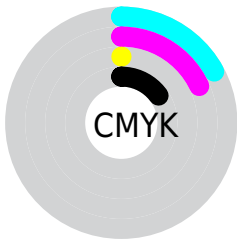
Distribution



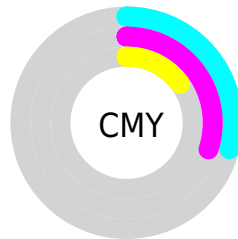
- Red (71%)
- Green (70%)
- Blue (85%)



- Red (71%)
- Yellow (70%)
- Blue (85%)



- Cyan (17%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (29%)
- Magenta (30%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 178, 218 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 180, 178, 218 by changing the saturation by 10% instead.

■ 180, 178, 218

255, 255, 255

■ 236, 234, 255

■ 180, 178, 218

■ 153, 151, 190

■ 127, 125, 163

■ 101, 101, 137

■ 77, 77, 111

■ 53, 54, 87

■ 31, 33, 63


■ 10, 10, 41


■ 0, 1, 20

■ 0, 0, 0

 180, 178, 218

 180, 178, 218

 159, 156, 218

 201, 200, 218

 139, 134, 218

 218, 222, 219

 118, 113, 218

 218, 243, 219

 97, 91, 218


 218, 255, 218

 76, 69, 218

 56, 47, 218

 35, 25, 218

 14, 4, 218

 11, 0, 218

Harmonies

Analogous

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



153, 175, 221



180, 178, 218



204, 172, 205

Triad

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



180, 178, 218



216, 185, 150



137, 170, 193

Complementary

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



180, 178, 218



178, 218, 180

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.



157, 189, 190



180, 178, 218



177, 201, 142

Square

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



180, 178, 218



223, 168, 166



145, 185, 150



127, 161, 197

Rectangle

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



180, 178, 218



215, 169, 193



145, 185, 150



143, 175, 192

Sweetspot

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



180, 178, 218



240, 240, 255



178, 197, 218



119, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



180, 178, 218



202, 199, 255



200, 178, 218



99, 99, 110



9, 0, 173



2, 0, 46

Inverse Universe

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



218, 178, 216



255, 199, 252



178, 218, 200



110, 99, 109



173, 0, 165



46, 0, 44

Previews

White Background



This preview shows how the RYB color 180, 178, 218 looks on a white background.

Color Contrast Check

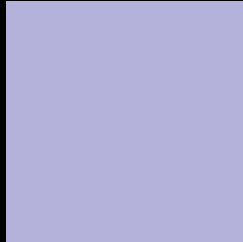
Large Text (above 18pt) WCAG AA × Fail

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 180, 178, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

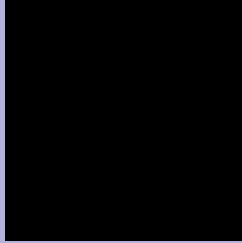
Any Text WCAG AA ✓ Pass

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 180, 178, 218 Background



This preview shows how black text looks on a background with the RYB color 180, 178, 218.



This preview shows how white text looks on a background with the RYB color 180, 178, 218.

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](#).

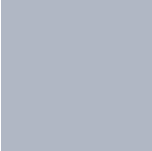
Dichromacy



Original Color
180, 178, 218

Protanopia
173, 179, 219

Deuteranopia
181, 178, 218



Tritanopia
176, 181, 196

Trichromacy



Original Color
180, 178, 218

Protanomaly
176, 179, 219

Deuteranomaly
181, 178, 218

Tritanomaly
177, 180, 204

Monochromacy



Original Color
180, 178, 218

Achromatopsia
183, 183, 183

Achromatomaly
182, 181, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 178, 218 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(180, 178, 218)` looks like.

```
.text, #text, p{  
    color:rgb(180, 178, 218)  
}
```

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(180, 178, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 178, 218) }
```

Border

The CSS property to change the border of an element to RYB 180, 178, 218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

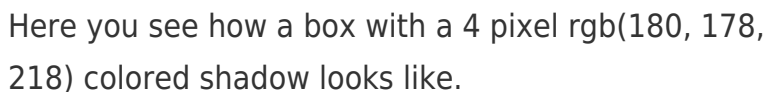
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 178, 218) }
```

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

```
.border{ border-color:rgb(180, 178, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 178, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 178, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 178, 218); box-shadow:4px 4px 4px 4px rgb(180, 178, 218) }
```

Background

The CSS property to change the background color of an element to RYB 180, 178, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 178, 218) }
```

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

```
.background{ background-color: rgb(180,  
178, 218) }
```

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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