

Converting Colors

`RYB(178, 188, 222)`

Have a look what the booklet for
RYB(178, 188, 222) contains.

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Color

R_YB(178, 188, 222)

Conversions

Conversions Part 1

Format	Color
Hex	B2BFDE
RGB	178, 191, 222
RGB Percent	70%, 75%, 87%
CMY	0.3020, 0.2512, 0.1294
CMYK	0.20, 0.14, 0.00, 0.13
HSL	222°, 40%, 78%
HSV	222°, 20%, 87%
XYZ	50.1629, 51.9749, 76.4955
YIQ	190.6470, -17.6990, 6.8850

Conversions

Conversions Part 2

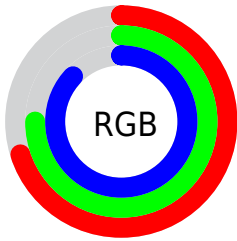
Format	Color
R _Y B	178, 188, 222
Decimal	11714526
CIE Lab	77.27, 2.06, -16.99
CIE LCh	77, 17.117, 276.903
Yxy	51.9749, 0.2808, 0.2910
Android (android.graphics.Color)	4289904606 (0xFFB2BFDE)
YUV	190.6470, 15.4570, -11.0914
Hunter-Lab	72.0936, -1.9631, -12.4447

Details

The RYB color **178, 188, 222** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **196, 222, 178**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **234, 242, 255**, and **125, 135, 167** is the 20% darker color. If you saturate the color by 10%, you get **156, 171, 222**, and if you desaturate by 10%, it is **200, 205, 222**.

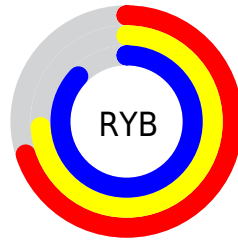
Distribution



Red (70%)

Green (75%)

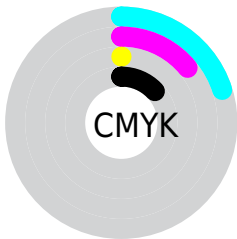
Blue (87%)



Red (70%)

Yellow (74%)

Blue (87%)

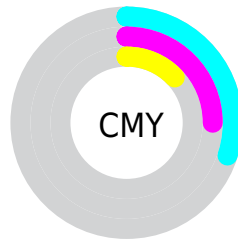


Cyan (20%)

Magenta (14%)

Yellow (0%)

Black (13%)



Cyan (30%)

Magenta (25%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 188, 222 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 178, 188, 222 by changing the saturation by 10% instead.

■ 178, 188, 222

255, 255, 255

■ 234, 242, 255

■ 178, 188, 222

■ 151, 161, 194

■ 125, 135, 167

■ 99, 109, 140

■ 75, 85, 115

■ 51, 61, 90

■ 28, 39, 67

■ 5, 17, 44

■ 0, 1, 24

■ 0, 0, 0

■ 178, 188, 222

■ 178, 188, 222

■ 156, 171, 222

■ 200, 205, 222

■ 134, 154, 222

■ 222, 222, 222

■ 111, 136, 222

■ 232, 245, 222

■ 89, 119, 222

■ 223, 255, 222

■ 67, 102, 222

■ 222, 255, 222

■ 45, 85, 222

■ 23, 68, 222

■ 0, 51, 222

■ 0, 50, 222

Harmonies

Analogous

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



160, 182, 219



178, 188, 222



198, 186, 216

Triad

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



178, 188, 222



223, 184, 172



164, 189, 199

Complementary

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



178, 188, 222



196, 222, 178

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.



165, 196, 179



178, 188, 222



215, 206, 162

Square

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



178, 188, 222



224, 180, 188



171, 200, 159



152, 178, 200

Rectangle

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



178, 188, 222



210, 183, 208



171, 200, 159



170, 195, 198

Sweetspot

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



178, 188, 222



240, 243, 255



178, 204, 222



119, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



178, 188, 222



194, 208, 255



187, 178, 222



101, 103, 112



0, 40, 176



0, 11, 48

Inverse Universe

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



222, 178, 191



255, 194, 212



178, 222, 187



112, 101, 104



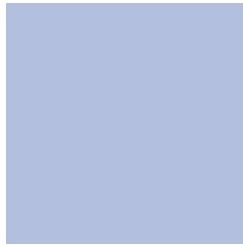
176, 0, 52



48, 0, 14

Previews

White Background



This preview shows how the RYB color 178, 188, 222 looks on a white background.

Color Contrast Check

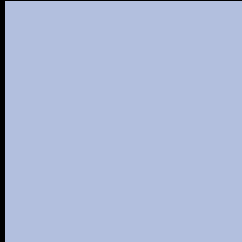
Large Text (above 18pt) WCAG AA × Fail

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 178, 188, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

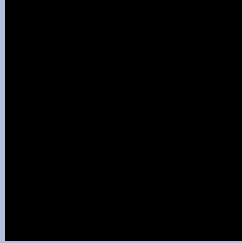
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

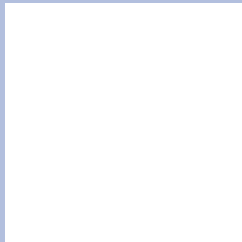
Any Text WCAG AAA ✓ Pass

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

RYB 178, 188, 222 Background



This preview shows how black text looks on a background with the RYB color 178, 188, 222.



This preview shows how white text looks on a background with the RYB color 178, 188, 222.

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

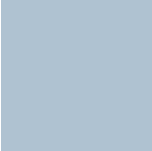
178, 188, 222

Protanopia

185, 189, 221

Deuteranopia

193, 186, 223



Tritanopia
175, 187, 209

Trichromacy



Original Color
178, 188, 222

Protanomaly
182, 189, 221

Deuteranomaly
188, 188, 223

Tritanomaly
176, 187, 214

Monochromacy



Original Color
178, 188, 222

Achromatopsia
191, 191, 191

Achromatomaly
186, 190, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 188, 222 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(178, 191, 222)` looks like.

```
.text, #text, p{  
    color:rgb(178, 191, 222)  
}
```

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(178, 191, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 191, 222) }
```

Border

The CSS property to change the border of an element to RYB 178, 188, 222 is called "border". The border property can be set on classes, ids or directly on the HTML element.

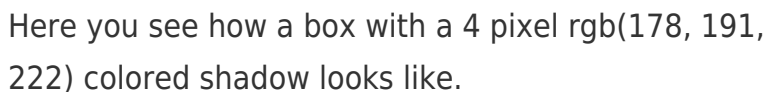
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 191, 222) }
```

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

```
.border{ border-color:rgb(178, 191, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 191, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 191, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 191, 222); box-shadow:4px 4px 4px 4px rgb(178, 191, 222) }
```

Background

The CSS property to change the background color of an element to RYB 178, 188, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 191, 222) }
```

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

```
.background{ background-color: rgb(178,  
191, 222) }
```

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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