

Converting Colors

`RYB(178, 178, 230)`

Have a look what the booklet for
RYB(178, 178, 230) contains.

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Color

R_YB(178, 178, 230)

Conversions

Conversions Part 1

Format	Color
Hex	B2B2E6
RGB	178, 178, 230
RGB Percent	70%, 70%, 90%
CMY	0.3020, 0.3020, 0.0980
CMYK	0.23, 0.23, 0.00, 0.10
HSL	240°, 51%, 80%
HSV	240°, 23%, 90%
XYZ	48.5634, 47.0189, 81.3789
YIQ	183.9280, -16.6920, 16.1720

Conversions

Conversions Part 2

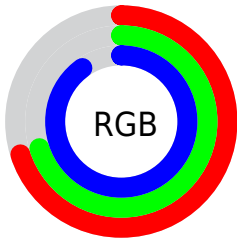
Format	Color
R_{YB}	178, 178, 230
Decimal	11711206
CIE _{Lab}	74.20, 10.92, -25.98
CIE _{LCh}	74, 28.184, 292.803
Yxy	47.0189, 0.2744, 0.2657
Android (android.graphics.Color)	4289901286 (0xFFB2B2E6)
YUV	183.9280, 22.7135, -5.1989
Hunter-Lab	68.5704, 6.4205, -22.3658

Details

The RYB color **178, 178, 230** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **178, 230, 178**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **234, 234, 255**, and **124, 125, 174** is the 20% darker color. If you saturate the color by 10%, you get **155, 155, 230**, and if you desaturate by 10%, it is **201, 201, 230**.

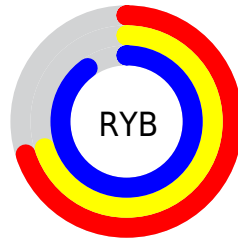
Distribution



Red (70%)

Green (70%)

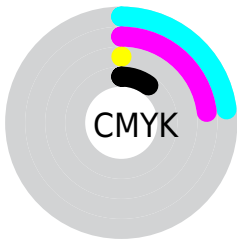
Blue (90%)



Red (70%)

Yellow (70%)

Blue (90%)

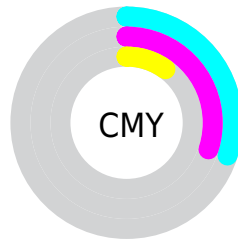


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (30%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 178, 230 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, 178, 230 by changing the saturation by 10% instead.

■ 178, 178, 230

255, 255, 255

■ 234, 234, 255

■ 178, 178, 230

■ 151, 151, 202

■ 124, 125, 174

■ 99, 101, 148

■ 74, 77, 122

■ 50, 54, 97

■ 25, 32, 73

■ 2, 9, 50


■ 0, 2, 28


■ 0, 0, 0

 178, 178, 230

 178, 178, 230

 155, 155, 230

 201, 201, 230

 132, 132, 230

 224, 224, 230

 109, 109, 230


 230, 247, 230


 86, 86, 230

 230, 255, 230

 63, 63, 230

 40, 40, 230

 17, 17, 230

 0, 0, 230

Harmonies

Analogous

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



141, 172, 233



178, 178, 230



210, 169, 214

Triad

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



178, 178, 230



227, 184, 142



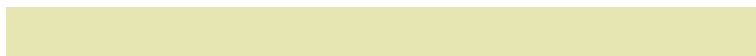
123, 166, 197

Complementary

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



178, 178, 230



178, 230, 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.



150, 193, 192



178, 178, 230



175, 207, 131

Square

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



178, 178, 230



235, 164, 164



134, 187, 140



105, 152, 202

Rectangle

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



178, 178, 230



224, 165, 198



134, 187, 140



131, 173, 196

Sweetspot

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



178, 178, 230



237, 237, 255



178, 204, 230



117, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



178, 178, 230



186, 186, 255



204, 178, 230



103, 103, 115



0, 0, 179



0, 0, 51

Inverse Universe

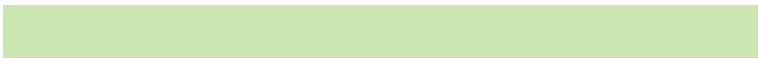
The Inverse Universe completely reimagines the original color for something new.



230, 178, 230



255, 186, 255



178, 230, 204



115, 103, 115



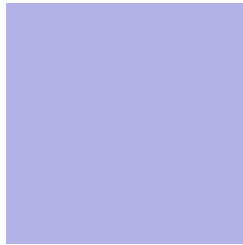
179, 0, 179



51, 0, 51

Previews

White Background



This preview shows how the RYB color 178, 178, 230 looks on a white background.

Color Contrast Check

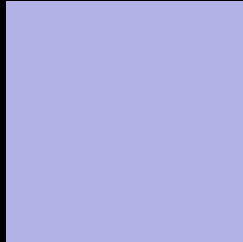
Large Text (above 18pt) WCAG AA × Fail

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, 178, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

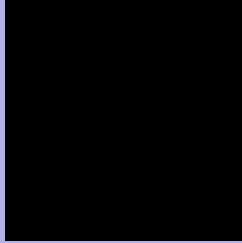
Any Text WCAG AA ✓ Pass

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, 178, 230 Background



This preview shows how black text looks on a background with the RYB color 178, 178, 230.



This preview shows how white text looks on a background with the RYB color 178, 178, 230.

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](#).

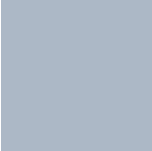
Dichromacy



Original Color
178, 178, 230

Protanopia
169, 178, 232

Deuteranopia
175, 179, 230



Tritanopia

172, 180, 198

Trichromacy



Original Color
178, 178, 230

Protanomaly
172, 178, 231

Deuteranomaly
176, 179, 230

Tritanomaly
174, 181, 210

Monochromacy



Original Color
178, 178, 230

Achromatopsia
184, 184, 184

Achromatomaly
182, 182, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 178, 230 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, 178, 230)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 230)  
}
```

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, 178, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 178, 230) }
```

Border

The CSS property to change the border of an element to RYB 178, 178, 230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

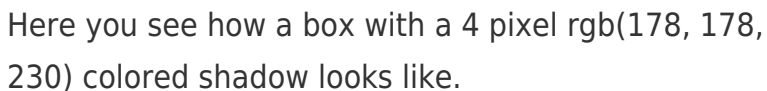
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 178, 230) }
```

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

```
.border{ border-color:rgb(178, 178, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 178, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 178, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 178, 230); box-shadow:4px 4px 4px 4px rgb(178, 178, 230) }
```

Background

The CSS property to change the background color of an element to RYB 178, 178, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 178, 230) }
```

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

```
.background{ background-color: rgb(178,  
178, 230) }
```

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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