

Converting Colors

`RYB(172, 180, 240)`

Have a look what the booklet for RYB(172, 180, 240) contains.

RYB(172, 180, 240)	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(172, 180, 240)

Conversions

Conversions Part 1

Format	Color
Hex	ACB5F0
RGB	172, 181, 240
RGB Percent	67%, 71%, 94%
CMY	0.3255, 0.2899, 0.0588
CMYK	0.28, 0.25, 0.00, 0.06
HSL	232°, 69%, 81%
HSV	232°, 28%, 94%
XYZ	49.2789, 48.1368, 89.1321
YIQ	185.0350, -24.3030, 16.4410

Conversions

Conversions Part 2

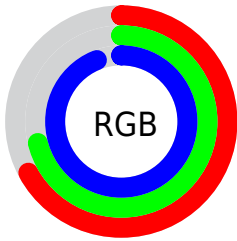
Format	Color
RYB	172, 180, 240
Decimal	11318768
CIELab	74.91, 9.82, -30.35
CIELCh	75, 31.897, 287.929
Yxy	48.1368, 0.2642, 0.2580
Android (android.graphics.Color)	4289508848 (0xFFACB5F0)
YUV	185.0350, 27.0977, -11.4317
Hunter-Lab	69.3807, 5.3666, -27.6023

Details

The RYB color **172, 180, 240** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **182, 240, 172**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **229, 235, 255**, and **118, 127, 184** is the 20% darker color. If you saturate the color by 10%, you get **148, 159, 240**, and if you desaturate by 10%, it is **196, 201, 240**.

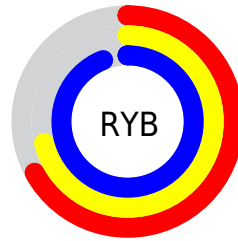
Distribution



Red (67%)

Green (71%)

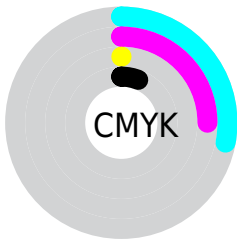
Blue (94%)



Red (67%)

Yellow (71%)

Blue (94%)

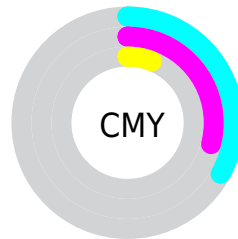


Cyan (28%)

Magenta (25%)

Yellow (0%)

Black (6%)



Cyan (33%)

Magenta (29%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 180, 240 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 172, 180, 240 by changing the saturation by 10% instead.

■ 172, 180, 240

255, 255, 255

■ 229, 235, 255

■ 172, 180, 240

■ 145, 153, 212

■ 118, 127, 184

■ 92, 101, 157

■ 66, 77, 130


■ 41, 54, 105

■ 11, 29, 81


■ 0, 11, 57

■ 0, 2, 35


■ 0, 0, 11

 172, 180, 240


 172, 180, 240

 148, 159, 240

 196, 201, 240

 124, 137, 240

 220, 223, 240

 100, 117, 240


 241, 244, 240

 76, 95, 240

 240, 255, 240

 52, 74, 240

 28, 53, 240

 4, 31, 240

 0, 28, 240

Harmonies

Analogous

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



129, 169, 241



172, 180, 240



210, 171, 224

Triad

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



172, 180, 240



236, 180, 142



120, 169, 200

Complementary

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



172, 180, 240



182, 240, 172

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.



144, 196, 186



172, 180, 240



193, 216, 127

Square

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



172, 180, 240



243, 163, 168



128, 188, 129



93, 147, 201

Rectangle

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



172, 180, 240



228, 165, 207



128, 188, 129



131, 178, 199

Sweetspot

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



172, 180, 240



232, 235, 255



172, 208, 240



113, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 180, 240



168, 179, 255



197, 172, 240



108, 109, 120



0, 21, 184



0, 6, 56

Inverse Universe

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



240, 172, 181



255, 168, 180



172, 240, 197



120, 108, 109



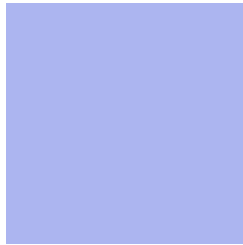
184, 0, 24



56, 0, 7

Previews

White Background



This preview shows how the RYB color 172, 180, 240 looks on a white background.

Color Contrast Check

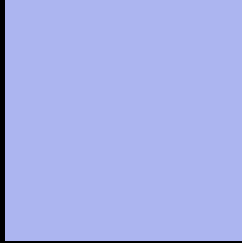
Large Text (above 18pt) WCAG AA × Fail

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 172, 180, 240 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 172, 180, 240 Background



This preview shows how black text looks on a background with the RYB color 172, 180, 240.



This preview shows how white text looks on a background with the RYB color 172, 180, 240.

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](#).

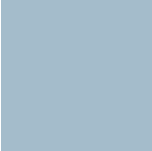
Dichromacy



Original Color
172, 180, 240

Protanopia
168, 180, 241

Deuteranopia
172, 180, 240



Tritanopia
164, 179, 203

Trichromacy



Original Color
172, 180, 240

Protanomaly
169, 180, 241

Deuteranomaly
172, 180, 240

Tritanomaly
167, 180, 216

Monochromacy



Original Color
172, 180, 240

Achromatopsia
185, 185, 185

Achromatomaly
180, 183, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 180, 240 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(172, 181, 240)` looks like.

```
.text, #text, p{  
    color:rgb(172, 181, 240)  
}
```

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(172, 181, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 181, 240) }
```

Border

The CSS property to change the border of an element to RYB 172, 180, 240 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(172, 181, 240) }
```

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

```
.border{ border-color:rgb(172, 181, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 181, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 181, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 181, 240);  
box-shadow:4px 4px 4px 4px rgb(172, 181,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 172, 180, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 181, 240) }
```

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

```
.background{ background-color: rgb(172,  
181, 240) }
```

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