

# Converting Colors

`RYB(188, 190, 240)`

Have a look what the booklet for RYB(188, 190, 240) contains.

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# Color

**R<sub>Y</sub>B(188, 190, 240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCBEF0
RGB	188, 190, 240
RGB Percent	74%, 75%, 94%
CMY	0.2627, 0.2546, 0.0588
CMYK	0.22, 0.21, 0.00, 0.06
HSL	238°, 63%, 84%
HSV	238°, 22%, 94%
XYZ	54.8980, 53.8442, 89.9376
YIQ	195.1020, -17.2420, 15.1260

# Conversions

## Conversions Part 2

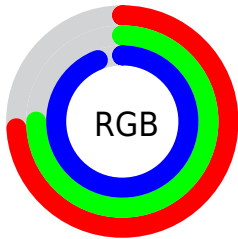
Format	Color
R <sub>YB</sub>	188, 190, 240
Decimal	12369648
CIE Lab	78.37, 9.63, -24.95
CIE LCh	78, 26.739, 291.105
Yxy	53.8442, 0.2763, 0.2710
Android (android.graphics.Color)	4290559728 (0xFFBCBEF0)
YUV	195.1020, 22.1347, -6.2285
Hunter-Lab	73.3786, 5.1317, -21.3047

# Details

The RYB color **188, 190, 240** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **190, 240, 188**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **245, 246, 255**, and **134, 137, 184** is the 20% darker color. If you saturate the color by 10%, you get **164, 167, 240**, and if you desaturate by 10%, it is **212, 213, 240**.

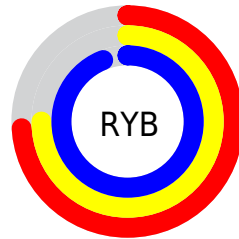
# Distribution



Red (74%)

Green (75%)

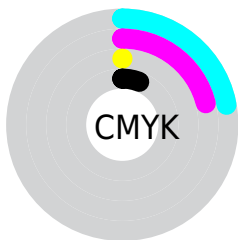
Blue (94%)



Red (74%)

Yellow (75%)

Blue (94%)

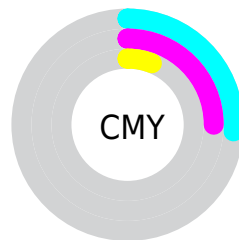


Cyan (22%)

Magenta (21%)

Yellow (0%)

Black (6%)



Cyan (26%)

Magenta (25%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 188, 190, 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 188, 190, 240 by changing the saturation by 10% instead.



■ 188, 190, 240

255, 255, 255

■ 245, 246, 255

■ 188, 190, 240

■ 161, 163, 212

■ 134, 137, 184

■ 108, 111, 157

■ 83, 87, 131

■ 58, 63, 105

■ 34, 41, 81


■ 8, 19, 58

■ 0, 0, 36


■ 0, 0, 12

 188, 190, 240

 188, 190, 240

 164, 167, 240

 212, 213, 240

 140, 144, 240

 236, 236, 240

 116, 121, 240


 240, 255, 240

 92, 98, 240

 68, 75, 240

 44, 52, 240

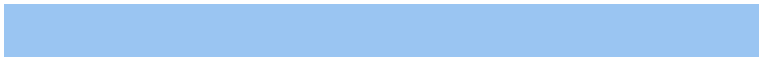
 20, 29, 240

 0, 10, 240

# Harmonies

## Analogous

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



154, 183, 242



188, 190, 240



219, 182, 225

# Triad

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



188, 190, 240



237, 194, 156



139, 180, 207

# Complementary

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



188, 190, 240



190, 240, 188

# 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.



162, 204, 201



188, 190, 240



193, 219, 145

# Square

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



188, 190, 240



245, 177, 177



147, 198, 151



123, 166, 211

# Rectangle

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



188, 190, 240



233, 178, 211



147, 198, 151



147, 187, 207



# Sweetspot

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



188, 190, 240



237, 238, 255



188, 215, 240



117, 118, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



188, 190, 240



189, 191, 255



211, 188, 240



108, 108, 120



0, 7, 184



0, 2, 56



# Inverse Universe

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



240, 188, 190



255, 189, 191



188, 240, 211



120, 108, 108



184, 0, 7

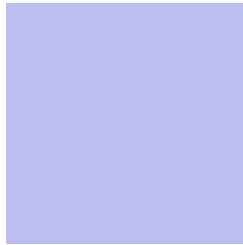


56, 0, 2



# Previews

## White Background



This preview shows how the RYB color 188, 190, 240 looks on a white background.

## Color Contrast Check

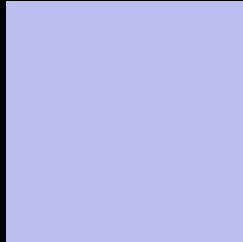
Large Text (above 18pt) WCAG AA × Fail

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 188, 190, 240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

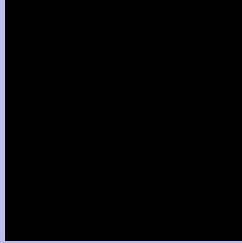
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 188, 190, 240 Background



This preview shows how black text looks on a background with the RYB color 188, 190, 240.



This preview shows how white text looks on a background with the RYB color 188, 190, 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](#).

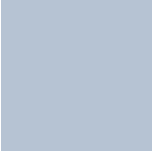
## Dichromacy



**Original Color**  
188, 190, 240

**Protanopia**  
182, 191, 241

**Deuteranopia**  
189, 190, 240



**Tritanopia**  
182, 191, 211

# Trichromacy



**Original Color**  
188, 190, 240

**Protanomaly**  
184, 190, 241

**Deuteranomaly**  
189, 190, 240

**Tritanomaly**  
184, 191, 222

# Monochromacy



**Original Color**  
188, 190, 240

**Achromatopsia**  
195, 195, 195

**Achromatomaly**  
192, 193, 211

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 188, 190, 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(188, 190, 240)` looks like.

```
.text, #text, p{  
    color:rgb(188, 190, 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(188, 190, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 190, 240) }
```

## Border

The CSS property to change the border of an element to RYB 188, 190, 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(188, 190, 240) }
```

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

```
.border{ border-color:rgb(188, 190, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 190, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 190, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 190, 240);  
box-shadow:4px 4px 4px 4px rgb(188, 190,  
240) }
```

# Background

The CSS property to change the background color of an element to RYB 188, 190, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 190, 240) }
```

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

```
.background{ background-color: rgb(188,  
190, 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](#).



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