

Converting Colors

`RYB(130, 130, 217)`

Have a look what the booklet for RYB(130, 130, 217) contains.

RYB(130, 130, 217)	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(130, 130, 217)

Conversions

Conversions Part 1

Format	Color
Hex	8282D9
RGB	130, 130, 217
RGB Percent	51%, 51%, 85%
CMY	0.4902, 0.4902, 0.1490
CMYK	0.40, 0.40, 0.00, 0.15
HSL	240°, 53%, 68%
HSV	240°, 40%, 85%
XYZ	29.7129, 25.7208, 69.0442
YIQ	139.9180, -27.9270, 27.0570

Conversions

Conversions Part 2

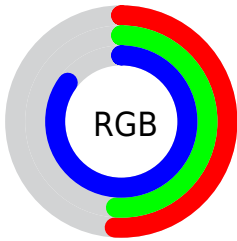
Format	Color
R_{YB}	130, 130, 217
Decimal	8553177
CIE _{Lab}	57.77, 21.36, -44.63
CIE _{LCh}	58, 49.483, 295.579
Yxy	25.7208, 0.2387, 0.2066
Android (android.graphics.Color)	4286743257 (0xFF8282D9)
YUV	139.9180, 38.0014, -8.6981
Hunter-Lab	50.7157, 15.8257, -45.2162

Details

The RYB color **130, 130, 217** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **130, 217, 130**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **186, 183, 255**, and **75, 81, 162** is the 20% darker color. If you saturate the color by 10%, you get **108, 108, 217**, and if you desaturate by 10%, it is **152, 152, 217**.

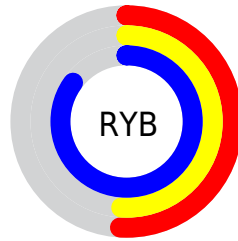
Distribution



Red (51%)

Green (51%)

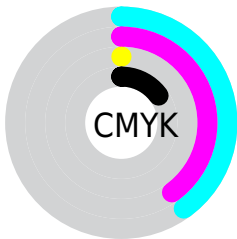
Blue (85%)



Red (51%)

Yellow (51%)

Blue (85%)

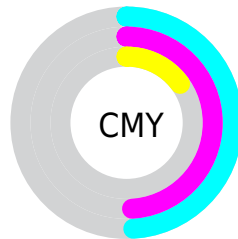


Cyan (40%)

Magenta (40%)

Yellow (0%)

Black (15%)



Cyan (49%)


Magenta (49%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the RYB color 130, 130, 217 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 130, 130, 217 by changing the saturation by 10% instead.

 130, 130, 217

 130, 130, 217

255, 255, 255

 103, 105, 189

 186, 183, 255


 75, 81, 162

 215, 210, 255

 47, 57, 135

 244, 239, 255

 9, 31, 109


 0, 14, 84


 0, 0, 61


 0, 2, 38

 0, 1, 15

 0, 0, 0

 130, 130, 217

 130, 130, 217

 108, 108, 217

 152, 152, 217

 87, 87, 217

 173, 173, 217

 65, 65, 217


 195, 195, 217

 43, 43, 217

 217, 217, 217

 22, 22, 217

 217, 238, 217

 0, 0, 217

 217, 255, 217

Harmonies

Analogous

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



0, 88, 225



130, 130, 217



186, 112, 188

Triad

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



130, 130, 217



201, 148, 68



0, 88, 160

Complementary

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



130, 130, 217



130, 217, 130

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.



71, 142, 156



130, 130, 217



95, 168, 48

Square

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



130, 130, 217



218, 104, 104



56, 147, 77



0, 84, 175

Rectangle

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



130, 130, 217



208, 103, 162



56, 147, 77



0, 92, 159

Sweetspot

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



130, 130, 217



224, 224, 255



130, 174, 217



110, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



130, 130, 217



133, 133, 255



173, 130, 217



99, 99, 110



0, 0, 173



0, 0, 46

Inverse Universe

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



217, 130, 217



255, 133, 255



130, 217, 174



110, 99, 110



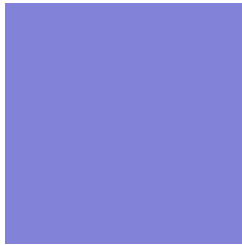
173, 0, 173



46, 0, 46

Previews

White Background



This preview shows how the RYB color 130, 130, 217 looks on a white background.

Color Contrast Check

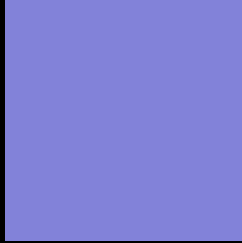
Large Text (above 18pt) WCAG AA ✓ Pass

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 130, 130, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

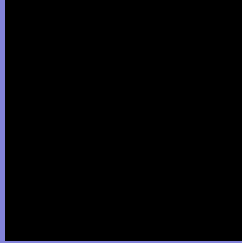
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 130, 130, 217 Background



This preview shows how black text looks on a background with the RYB color 130, 130, 217.

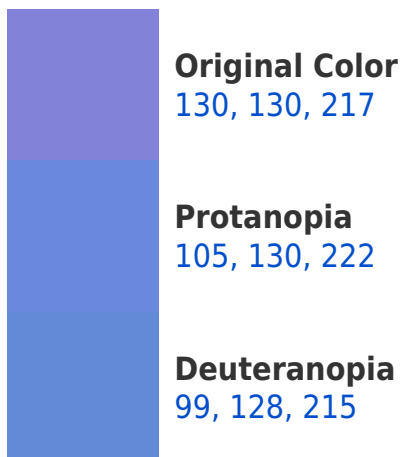



This preview shows how white text looks on a background with the RYB color 130, 130, 217.

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](#).

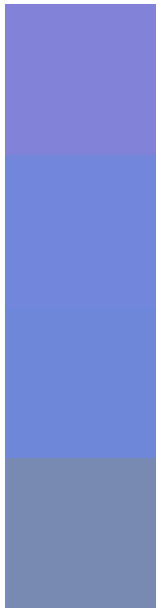
Dichromacy





Tritanopia
115, 131, 155

Trichromacy



Original Color
130, 130, 217

Protanomaly
114, 131, 220

Deuteranomaly
110, 130, 216

Tritanomaly
120, 134, 178

Monochromacy



Original Color
130, 130, 217

Achromatopsia
140, 140, 140

Achromatomaly
136, 136, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 130, 130, 217 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(130, 130, 217)` looks like.

```
.text, #text, p{  
    color:rgb(130, 130, 217)  
}
```

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(130, 130, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 130, 217) }
```

Border

The CSS property to change the border of an element to RYB 130, 130, 217 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(130, 130, 217) }
```

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

```
.border{ border-color:rgb(130, 130, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 130, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 130, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 130, 217);  
box-shadow:4px 4px 4px 4px rgb(130, 130,  
217) }
```

Background

The CSS property to change the background color of an element to RYB 130, 130, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 130, 217) }
```

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

```
.background{ background-color: rgb(130,  
130, 217) }
```

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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