

Converting Colors

`RYB(129, 120, 225)`

Have a look what the booklet for
RYB(129, 120, 225) contains.

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Color

R_YB(129, 120, 225)

Conversions

Conversions Part 1

Format	Color
Hex	8178E1
RGB	129, 120, 225
RGB Percent	51%, 47%, 88%
CMY	0.4941, 0.5294, 0.1176
CMYK	0.43, 0.47, 0.00, 0.12
HSL	245°, 64%, 68%
HSV	245°, 47%, 88%
XYZ	29.3603, 23.5363, 74.2297
YIQ	134.6610, -28.3410, 34.5630

Conversions

Conversions Part 2

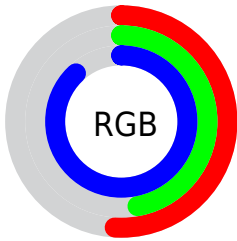
Format	Color
RYB	129, 120, 225
Decimal	8485089
CIELab	55.62, 29.29, -52.54
CIELCh	56, 60.150, 299.136
Yxy	23.5363, 0.2310, 0.1851
Android (android.graphics.Color)	4286675169 (0xFF8178E1)
YUV	134.6610, 44.5371, -4.9647
Hunter-Lab	48.5142, 23.1265, -56.7573

Details

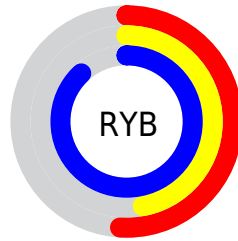
The RYB color **129, 120, 225** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **120, 225, 129**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **186, 172, 255**, and **72, 71, 169** is the 20% darker color. If you saturate the color by 10%, you get **108, 98, 225**, and if you desaturate by 10%, it is **150, 142, 225**.

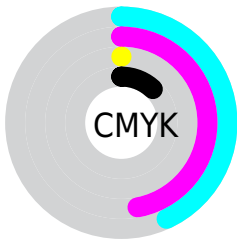
Distribution



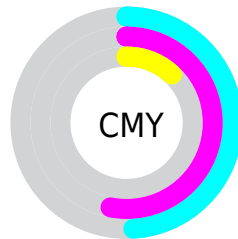
- Red (51%)
- Green (47%)
- Blue (88%)



- Red (51%)
- Yellow (47%)
- Blue (88%)



- Cyan (43%)
- Magenta (47%)
- Yellow (0%)
- Black (12%)



- Cyan (49%)
- Magenta (53%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 120, 225 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 129, 120, 225 by changing the saturation by 10% instead.


 129, 120, 225


255, 255, 255

 186, 172, 255

 215, 200, 255

 245, 228, 255

 129, 120, 225

 101, 95, 197

 72, 71, 169

 41, 48, 142

 0, 23, 116


 0, 7, 91

 0, 0, 66

 0, 3, 43


 0, 1, 22

 0, 0, 0


 129, 120, 225

 129, 120, 225


 108, 98, 225

 150, 142, 225


 88, 75, 225

 170, 165, 225

 67, 53, 225

 191, 188, 225

 47, 30, 225

 211, 210, 225

 26, 8, 225

 225, 233, 226

 19, 0, 225

 225, 255, 228

 225, 255, 225

Harmonies

Analogous

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



0, 88, 238



129, 120, 225



194, 96, 188

Triad

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



129, 120, 225



200, 163, 41



0, 86, 157

Complementary

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



129, 120, 225



120, 225, 129

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.



10, 107, 153



129, 120, 225



41, 160, 4

Square

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



129, 120, 225



224, 89, 86



29, 145, 65



0, 85, 183

Rectangle

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



129, 120, 225



218, 84, 155



29, 145, 65



0, 92, 157

Sweetspot

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



129, 120, 225



222, 219, 255



120, 170, 225



108, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



129, 120, 225



124, 112, 255



181, 120, 225



102, 101, 112



15, 0, 176



4, 0, 48

Inverse Universe

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



225, 120, 216



255, 112, 243



120, 225, 181



112, 101, 111



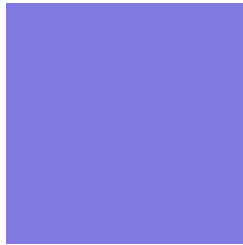
176, 0, 161



48, 0, 44

Previews

White Background



This preview shows how the RYB color 129, 120, 225 looks on a white background.

Color Contrast Check

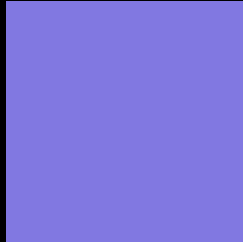
Large Text (above 18pt) WCAG AA ✓ Pass

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 129, 120, 225 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 129, 120, 225 Background



This preview shows how black text looks on a background with the RYB color 129, 120, 225.

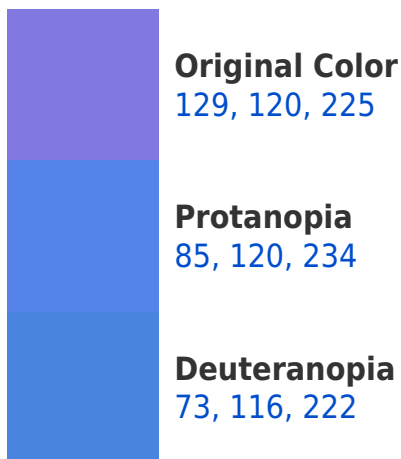


This preview shows how white text looks on a background with the RYB color 129, 120, 225.

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
110, 126, 149

Trichromacy



Original Color
129, 120, 225

Protanomaly
101, 122, 231

Deuteranomaly
93, 121, 223

Tritanomaly
117, 128, 177

Monochromacy



Original Color
129, 120, 225

Achromatopsia
135, 135, 135

Achromatomaly
133, 130, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 120, 225 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(129, 120, 225)` looks like.

```
.text, #text, p{  
  color:rgb(129, 120, 225)  
}
```

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(129, 120, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 120, 225) }
```

Border

The CSS property to change the border of an element to RYB 129, 120, 225 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(129, 120, 225) }
```

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

```
.border{ border-color:rgb(129, 120, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 120, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 120, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 120, 225);  
box-shadow:4px 4px 4px 4px rgb(129, 120,  
225) }
```

Background

The CSS property to change the background color of an element to RYB 129, 120, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 120, 225) }
```

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

```
.background{ background-color: rgb(129,  
120, 225) }
```

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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