

Converting Colors

`RYB(122, 120, 218)`

Have a look what the booklet for
RYB(122, 120, 218) contains.

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Color

R_YB(122, 120, 218)

Conversions

Conversions Part 1

Format	Color
Hex	7A78DA
RGB	122, 120, 218
RGB Percent	48%, 47%, 85%
CMY	0.5216, 0.5294, 0.1451
CMYK	0.44, 0.45, 0.00, 0.15
HSL	241°, 57%, 66%
HSV	241°, 45%, 85%
XYZ	27.3974, 22.6325, 69.2542
YIQ	131.7700, -30.2660, 30.9020

Conversions

Conversions Part 2

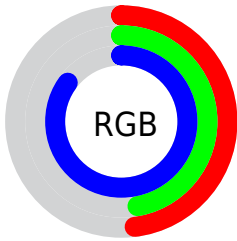
Format	Color
RYB	122, 120, 218
Decimal	8026330
CIELab	54.69, 25.58, -50.12
CIELCh	55, 56.268, 297.043
Yxy	22.6325, 0.2297, 0.1897
Android (android.graphics.Color)	4286216410 (0xFF7A78DA)
YUV	131.7700, 42.5114, -8.5683
Hunter-Lab	47.5736, 19.5435, -53.0085

Details

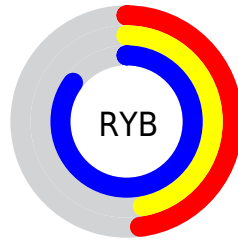
The RYB color **122, 120, 218** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **120, 218, 122**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **179, 172, 255**, and **65, 72, 162** is the 20% darker color. If you saturate the color by 10%, you get **101, 98, 218**, and if you desaturate by 10%, it is **143, 142, 218**.

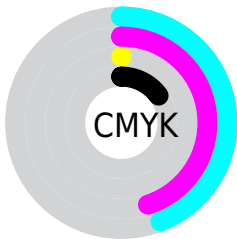
Distribution



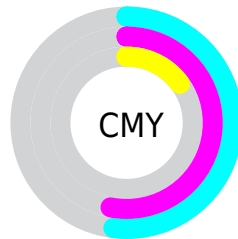
- Red (48%)
- Green (47%)
- Blue (85%)



- Red (48%)
- Yellow (47%)
- Blue (85%)



- Cyan (44%)
- Magenta (45%)
- Yellow (0%)
- Black (15%)




- Cyan (52%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 120, 218 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 122, 120, 218 by changing the saturation by 10% instead.


 122, 120, 218

255, 255, 255

 179, 172, 255

 207, 200, 255

 237, 228, 255

 122, 120, 218

 94, 95, 190

 65, 72, 162

 34, 47, 136

 0, 22, 110

 0, 6, 85

 0, 4, 61


 0, 3, 38


 0, 1, 15

 0, 0, 0

 122, 120, 218

 122, 120, 218


 101, 98, 218

 143, 142, 218

 79, 76, 218

 165, 164, 218

 58, 55, 218

 186, 185, 218

 37, 33, 218

 207, 207, 218

 15, 11, 218

 218, 229, 218

 4, 0, 218

 218, 251, 219

 218, 255, 218

Harmonies

Analogous

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



0, 86, 228



122, 120, 218



185, 99, 185

Triad

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



122, 120, 218



196, 149, 48



0, 85, 154

Complementary

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



122, 120, 218



120, 218, 122

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.



40, 123, 150



122, 120, 218



63, 160, 20

Square

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



122, 120, 218



217, 89, 90



34, 141, 63



0, 82, 174

Rectangle

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



122, 120, 218



208, 87, 154



34, 141, 63



0, 90, 153

Sweetspot

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



122, 120, 218



223, 222, 255



120, 168, 218



108, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 120, 218



120, 117, 255



171, 120, 218



99, 99, 110



4, 0, 173



1, 0, 46

Inverse Universe

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



218, 120, 216



255, 117, 252



120, 218, 171



110, 99, 109



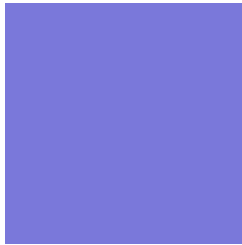
173, 0, 170



46, 0, 45

Previews

White Background



This preview shows how the RYB color 122, 120, 218 looks on a white background.

Color Contrast Check

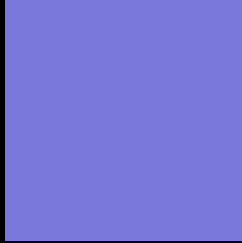
Large Text (above 18pt) WCAG AA ✓ Pass

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 122, 120, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

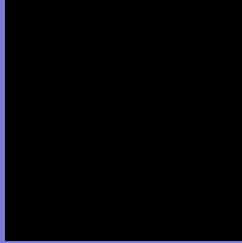
Any Text WCAG AA ✓ Pass

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 122, 120, 218 Background



This preview shows how black text looks on a background with the RYB color 122, 120, 218.



This preview shows how white text looks on a background with the RYB color 122, 120, 218.

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
103, 122, 147

Trichromacy



Original Color
122, 120, 218

Protanomaly
100, 120, 222

Deuteranomaly
93, 120, 216

Tritanomaly
110, 125, 173

Monochromacy



Original Color
122, 120, 218

Achromatopsia
132, 132, 132

Achromatomaly
128, 128, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 120, 218 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(122, 120, 218)` looks like.

```
.text, #text, p{  
    color:rgb(122, 120, 218)  
}
```

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(122, 120, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 120, 218) }
```

Border

The CSS property to change the border of an element to RYB 122, 120, 218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

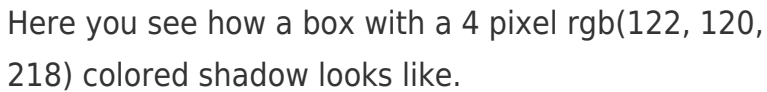
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(122, 120, 218) }
```

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

```
.border{ border-color:rgb(122, 120, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(122, 120, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 120, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 120, 218); box-shadow:4px 4px 4px 4px rgb(122, 120, 218) }
```

Background

The CSS property to change the background color of an element to RYB 122, 120, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 120, 218) }
```

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

```
.background{ background-color: rgb(122,  
120, 218) }
```

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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