

Converting Colors

`RYB(121, 117, 255)`

Have a look what the booklet for
RYB(121, 117, 255) contains.

RYB(121, 117, 255)	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(121, 117, 255)

Conversions

Conversions Part 1

Format	Color
Hex	7975FF
RGB	121, 117, 255
RGB Percent	47%, 46%, 100%
CMY	0.5255, 0.5412, 0.0000
CMYK	0.53, 0.54, 0.00, 0.00
HSL	242°, 100%, 73%
HSV	242°, 54%, 100%
XYZ	32.2964, 24.0075, 97.5394
YIQ	133.9280, -41.9140, 43.7660

Conversions

Conversions Part 2

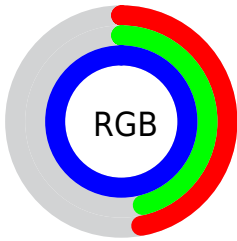
Format	Color
R_{YB}	121, 117, 255
Decimal	7960063
CIE _{Lab}	56.10, 38.15, -68.50
CIE _{LCh}	56, 78.404, 299.117
Yxy	24.0075, 0.2099, 0.1561
Android (android.graphics.Color)	4286150143 (0xFF7975FF)
YUV	133.9280, 59.6885, -11.3379
Hunter-Lab	48.9975, 31.9118, -83.7306

Details

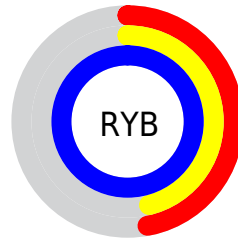
The RYB color **121, 117, 255** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **117, 255, 121**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **181, 169, 255**, and **55, 68, 197** is the 20% darker color. If you saturate the color by 10%, you get **96, 91, 255**, and if you desaturate by 10%, it is **146, 143, 255**.

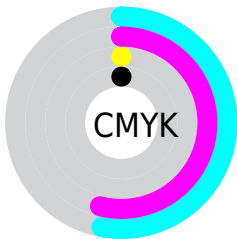
Distribution



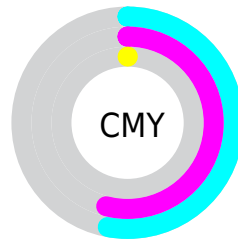
- Red (47%)
- Green (46%)
- Blue (100%)



- Red (47%)
- Yellow (46%)
- Blue (100%)



- Cyan (53%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (54%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the RYB color 121, 117, 255 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 121, 117, 255 by changing the saturation by 10% instead.

 121, 117, 255


255, 255, 255


 181, 169, 255

 211, 197, 255

 242, 225, 255

 255, 253, 255

 121, 117, 255

 90, 92, 226

 55, 68, 197

 0, 36, 169

 0, 21, 142

 0, 7, 116

 0, 0, 90

 0, 6, 66

 0, 3, 43

 0, 1, 21

■ 121, 117, 255

■ 121, 117, 255

■ 96, 91, 255

■ 146, 143, 255

■ 71, 66, 255

■ 171, 168, 255

■ 47, 40, 255

■ 195, 194, 255

■ 22, 15, 255

■ 220, 219, 255

■ 7, 0, 255

■ 245, 244, 255

255, 255, 255

Harmonies

Analogous

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



0, 92, 255



121, 117, 255



212, 79, 206

Triad

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



121, 117, 255



216, 193, 0



0, 91, 163

Complementary

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



121, 117, 255



117, 255, 121

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.



0, 117, 159



121, 117, 255



41, 164, 0

Square

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



121, 117, 255



247, 65, 73



0, 149, 52



0, 90, 199

Rectangle

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



121, 117, 255



242, 53, 162



0, 149, 52



0, 98, 162

Sweetspot

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



121, 117, 255



215, 214, 255



117, 185, 255



104, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



121, 117, 255



94, 89, 255



188, 117, 255



115, 115, 128



6, 0, 191



2, 0, 64

Inverse Universe

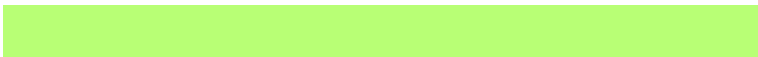
The Inverse Universe completely reimagines the original color for something new.



255, 117, 251



255, 89, 250



117, 255, 188



128, 115, 127



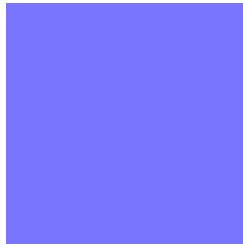
191, 0, 186



64, 0, 62

Previews

White Background



This preview shows how the RYB color 121, 117, 255 looks on a white background.

Color Contrast Check

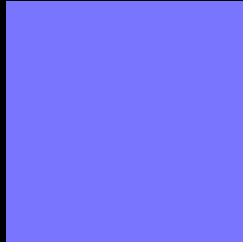
Large Text (above 18pt) WCAG AA ✓ Pass

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 121, 117, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

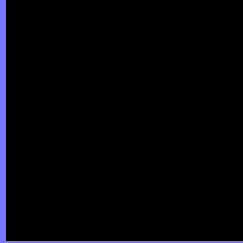
Any Text WCAG AA ✓ Pass

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 121, 117, 255 Background



This preview shows how black text looks on a background with the RYB color 121, 117, 255.

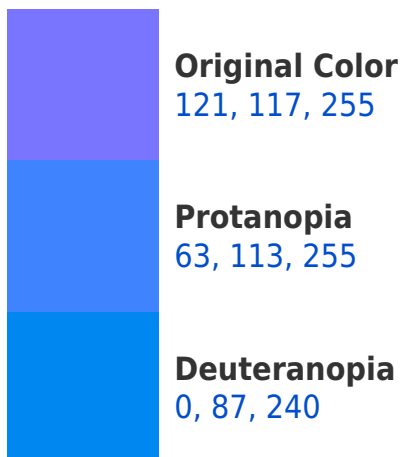


This preview shows how white text looks on a background with the RYB color 121, 117, 255.

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
88, 118, 154

Trichromacy



Original Color
121, 117, 255

Protanomaly
84, 117, 255

Deuteranomaly
44, 104, 245

Tritanomaly
100, 125, 191

Monochromacy



Original Color
121, 117, 255

Achromatopsia
134, 134, 134

Achromatomaly
129, 128, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 121, 117, 255 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(121, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 117, 255)  
}
```

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(121, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 117, 255) }
```

Border

The CSS property to change the border of an element to RYB 121, 117, 255 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(121, 117, 255) }
```

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

```
.border{ border-color:rgb(121, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 117, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 117, 255); box-shadow:4px 4px 4px 4px rgb(121, 117, 255) }
```

Background

The CSS property to change the background color of an element to RYB 121, 117, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 117, 255) }
```

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

```
.background{ background-color: rgb(121,  
117, 255) }
```

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