

Converting Colors

`RYB(121, 78, 192)`

Have a look what the booklet for
RYB(121, 78, 192) contains.

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Color

RYB(121, 78, 192)

Conversions

| Conversions Part 1 | |
|--------------------|-----------------------------|
| Format | Color |
| Hex | 794EC0 |
| RGB | 121, 78, 192 |
| RGB Percent | 47%, 31%, 75% |
| CMY | 0.5255, 0.6941, 0.2471 |
| CMYK | 0.37, 0.59, 0.00, 0.25 |
| HSL | 263°, 48%, 53% |
| HSV | 263°, 59%, 75% |
| XYZ | 20.1240, 13.3195, 51.3794 |
| YIQ | 103.8530, -10.9660, 44.5700 |

Conversions

Conversions Part 2

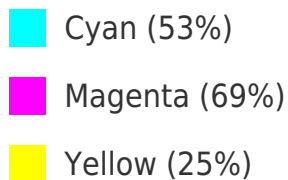
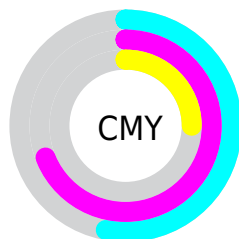
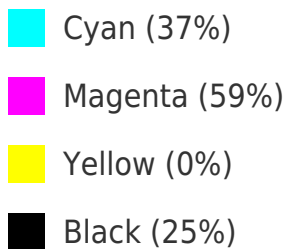
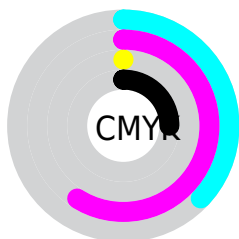
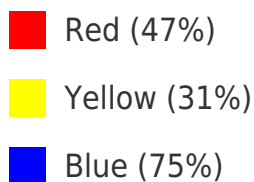
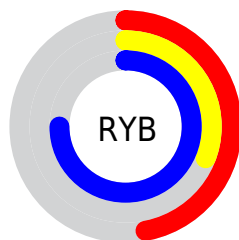
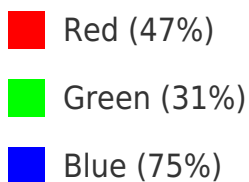
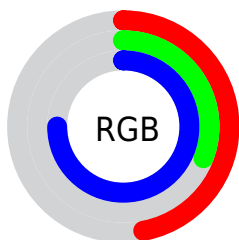
| Format | Color |
|-------------------------------------|--------------------------------------------|
| RYB | 121, 78, 192 |
| Decimal | 7950016 |
| CIELab | 43.24, 42.66, -53.57 |
| CIELCh | 43, 68.479, 308.533 |
| Yxy | 13.3195, 0.2372, 0.1570 |
| Android (android.graphics.Color) | 4286140096 (0xFF794EC0) |
| YUV | 103.8530, 43.4565, 15.0379 |
| Hunter-Lab | 36.4959, 34.5578, -57.9222 |

Details

The RYB color **121, 78, 192** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **78, 192, 121**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **177, 129, 249**, and **66, 30, 138** is the 20% darker color. If you saturate the color by 10%, you get **109, 59, 192**, and if you desaturate by 10%, it is **133, 97, 192**.


Distribution



Brightness & Saturation Gradients

These gradients show how the RYB color 121, 78, 192 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, 78, 192 by changing the saturation by 10% instead.

 121, 78, 192

255, 255, 255


 177, 129, 249

 206, 155, 255

 235, 183, 255

 255, 211, 255

 255, 239, 255

 121, 78, 192

 93, 54, 164


 66, 30, 138

 36, 3, 112


 0, 0, 86


 0, 0, 62

 0, 3, 39

 0, 1, 17

 0, 0, 0

 121, 78, 192

 121, 78, 192

 109, 59, 192


 133, 97, 192


 97, 40, 192

 145, 116, 192


 85, 20, 192


 157, 136, 192

 73, 1, 192

 169, 155, 192

 72, 0, 192

 181, 174, 192

 192, 193, 192

 192, 212, 199

 192, 232, 207

 192, 251, 214

Harmonies

Analogous

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



0, 70, 216



121, 78, 192



180, 41, 145

Triad

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



121, 78, 192



134, 156, 0



0, 65, 126

Complementary

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



121, 78, 192



78, 192, 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, 84, 124



121, 78, 192



5, 110, 0

Square

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



121, 78, 192



189, 55, 33



0, 118, 75



0, 72, 172

Rectangle

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



121, 78, 192



197, 18, 108



0, 118, 75



0, 71, 126

Sweetspot

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



121, 78, 192



222, 205, 250



78, 122, 192



108, 97, 125



252, 252, 252



125, 125, 125

Same Dimension

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



121, 78, 192



139, 72, 250



177, 78, 192



91, 87, 97



61, 0, 161



13, 0, 33

Inverse Universe

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



192, 78, 149



250, 72, 183



78, 192, 177



97, 87, 93



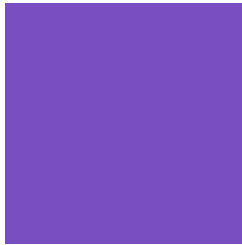
161, 0, 100



33, 0, 21

Previews

White Background



This preview shows how the RYB color 121, 78, 192 looks on a white background.

Color Contrast Check

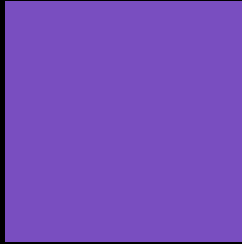
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 121, 78, 192 looks on a black 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

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

RYB 121, 78, 192 Background



This preview shows how black text looks on a background with the RYB color 121, 78, 192.



This preview shows how white text looks on a background with the RYB color 121, 78, 192.

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

121, 78, 192

Protanopia

0, 67, 210

Deuteranopia

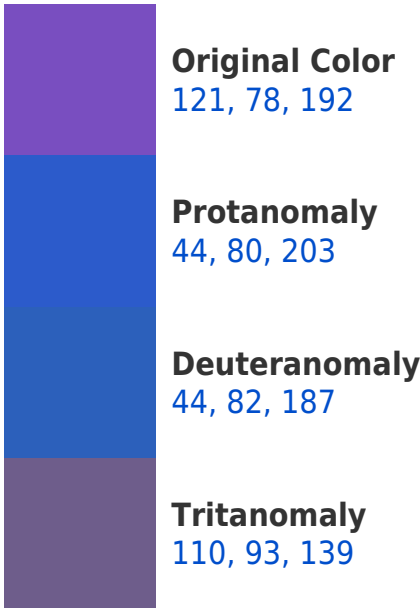
0, 66, 184



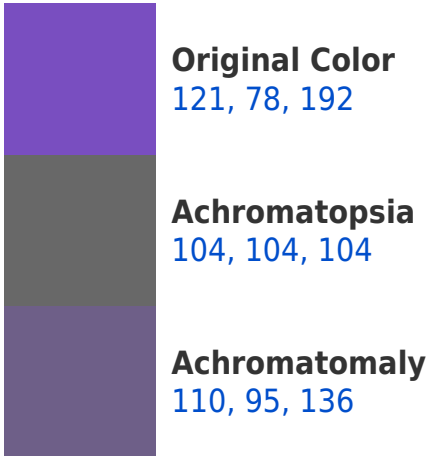
Tritanopia

103, 101, 109

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 121, 78, 192 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, 78, 192)` looks like.

```
.text, #text, p{  
    color:rgb(121, 78, 192)  
}
```

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, 78, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 78, 192) }
```

Border

The CSS property to change the border of an element to RYB 121, 78, 192 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, 78, 192) }
```

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

```
.border{ border-color:rgb(121, 78, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 78, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 78, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 78, 192);  
box-shadow:4px 4px 4px 4px rgb(121, 78,  
192) }
```

Background

The CSS property to change the background color of an element to RGB 121, 78, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 78, 192) }
```

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

```
.background{ background-color: rgb(121, 78,  
192) }
```

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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