

Converting Colors

`RYB(96, 77, 240)`

Have a look what the booklet for
RYB(96, 77, 240) contains.

RYB(96, 77, 240)	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(96, 77, 240)

Conversions

Conversions Part 1	
Format	Color
Hex	604DF0
RGB	96, 77, 240
RGB Percent	38%, 30%, 94%
CMY	0.6235, 0.6980, 0.0588
CMYK	0.60, 0.68, 0.00, 0.06
HSL	247°, 84%, 62%
HSV	247°, 68%, 94%
XYZ	23.2059, 14.0858, 83.9338
YIQ	101.2630, -40.9990, 54.7210

Conversions

Conversions Part 2

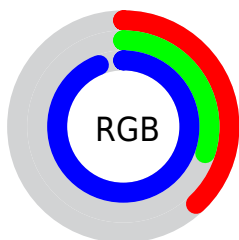
Format	Color
RYB	96, 77, 240
Decimal	6311408
CIELab	44.36, 52.35, -79.32
CIELCh	44, 95.038, 303.425
Yxy	14.0858, 0.1914, 0.1162
Android (android.graphics.Color)	4284501488 (0xFF604DF0)
YUV	101.2630, 68.3973, -4.6157
Hunter-Lab	37.5311, 44.6893, -106.3233

Details

The RYB color **96, 77, 240** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed purple. A complement of this color would be **77, 240, 96**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **159, 128, 255**, and **0, 25, 183** is the 20% darker color. If you saturate the color by 10%, you get **75, 53, 240**, and if you desaturate by 10%, it is **117, 101, 240**.

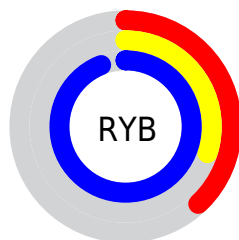
Distribution



Red (38%)

Green (30%)

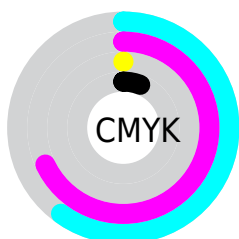
Blue (94%)



Red (38%)

Yellow (30%)

Blue (94%)

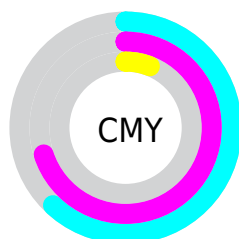


Cyan (60%)

Magenta (68%)

Yellow (0%)

Black (6%)



Cyan (62%)


















Magenta (70%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 77, 240 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 96, 77, 240 by changing the saturation by 10% instead.

 96, 77, 240	 96, 77, 240
 255, 255, 255	 60, 53, 211
 159, 128, 255	 0, 25, 183
 190, 154, 255	 0, 4, 155
 221, 182, 255	 0, 0, 128
 252, 210, 255	 0, 0, 102
 255, 238, 255	 0, 9, 77
	 0, 5, 53
	 0, 2, 31
	 0, 0, 2

 96, 77, 240

 96, 77, 240


 75, 53, 240


 117, 101, 240


 54, 29, 240


 138, 125, 240

 32, 5, 240

 160, 149, 240

 28, 0, 240

 181, 173, 240

 202, 197, 240

 223, 221, 240

 240, 245, 241

 240, 255, 240

Harmonies

Analogous

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



0, 79, 255



96, 77, 240



201, 0, 177

Triad

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



96, 77, 240



182, 111, 0



0, 73, 134

Complementary

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



96, 77, 240



77, 240, 96

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, 114, 131



96, 77, 240



17, 121, 0

Square

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



96, 77, 240



223, 0, 21



0, 123, 108



0, 79, 192

Rectangle

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



96, 77, 240



228, 0, 126



0, 123, 108



0, 82, 133

Sweetspot

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



96, 77, 240



210, 204, 255



77, 154, 240



100, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



96, 77, 240



70, 46, 255



175, 77, 240



109, 108, 120



21, 0, 184



7, 0, 56

Inverse Universe

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



240, 77, 221



255, 46, 231



77, 240, 175



120, 108, 118



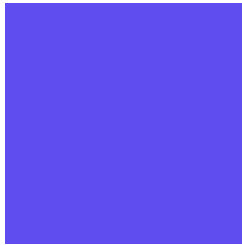
184, 0, 162



56, 0, 50

Previews

White Background



This preview shows how the RYB color 96, 77, 240 looks on a white background.

Color Contrast Check

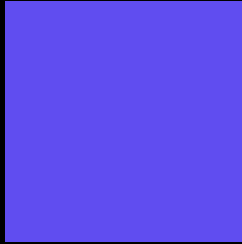
Large Text (above 18pt) WCAG AA ✓ Pass

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 96, 77, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

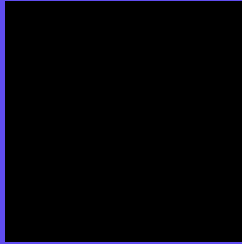
Any Text WCAG AA × Fail

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 96, 77, 240 Background



This preview shows how black text looks on a background with the RYB color 96, 77, 240.



This preview shows how white text looks on a background with the RYB color 96, 77, 240.

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

96, 77, 240

Protanopia

0, 68, 212

Deuteranopia

0, 67, 182



Tritanopia

41, 80, 123

Trichromacy



Original Color

96, 77, 240



Protanomaly

35, 79, 222



Deuteranomaly

35, 80, 203



Tritanomaly

61, 90, 166

Monochromacy



Original Color

96, 77, 240



Achromatopsia

101, 101, 101



Achromatomaly

99, 92, 152

CSS Examples

Text

The CSS property to change the color of the text to RGB 96, 77, 240 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(96, 77, 240) looks like.

```
.text, #text, p{  
    color:rgb(96, 77, 240)  
}
```

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(96, 77, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 77, 240) }
```

Border

The CSS property to change the border of an element to RYB 96, 77, 240 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(96, 77, 240) }
```

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

```
.border{ border-color:rgb(96, 77, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 77, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 77, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 77, 240);  
box-shadow:4px 4px 4px 4px rgb(96, 77,  
240) }
```

Background

The CSS property to change the background color of an element to RGB 96, 77, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 77, 240) }
```

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

```
.background{ background-color: rgb(96, 77,  
240) }
```

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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