

# Converting Colors

RGB(102, 53, 240)

Have a look what the booklet for  
RGB(102, 53, 240) contains.

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# Color

**RGB(102, 53, 240)**

# Conversions

Conversions Part 1	
Format	Color
Hex	6635F0
RGB	102, 53, 240
RGB Percent	40%, 21%, 94%
CMY	0.6000, 0.7922, 0.0588
CMYK	0.57, 0.78, 0.00, 0.06
HSL	256°, 86%, 57%
HSV	256°, 78%, 94%
XYZ	22.4808, 11.6623, 83.5042
YIQ	88.9690, -30.8230, 68.5450

# Conversions

## Conversions Part 2

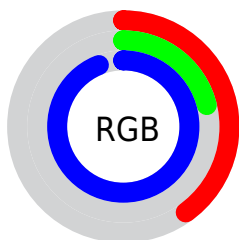
Format	Color
<a href="#">RYB</a>	<a href="#">102, 53, 240</a>
Decimal	<a href="#">6698480</a>
CIELab	<a href="#">40.67, 64.93, -85.35</a>
CIELCh	<a href="#">41, 107.244, 307.261</a>
Yxy	<a href="#">11.6623, 0.1911, 0.0991</a>
Android (android.graphics.Color)	<a href="#">4284888560</a> (0xFF6635F0)
YUV	<a href="#">88.9690, 74.4583, 11.4282</a>
Hunter-Lab	<a href="#">34.1500, 57.7429, -121.0718</a>

# Details

The RGB color **102, 53, 240** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **191, 240, 53**, and the grayscale version is **88, 88, 88**.

A 20% lighter version of the original color is **166, 106, 255**, and **7, 0, 182** is the 20% darker color. If you saturate the color by 10%, you get **84, 29, 240**, and if you desaturate by 10%, it is **120, 77, 240**.

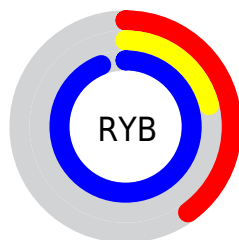
# Distribution



Red (40%)

Green (21%)

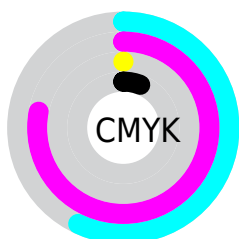
Blue (94%)



Red (40%)

Yellow (21%)

Blue (94%)

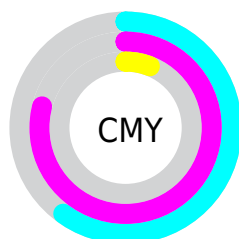


Cyan (57%)

Magenta (78%)

Yellow (0%)

Black (6%)



Cyan (60%)

Magenta (79%)



















Yellow (6%)


# Brightness & Saturation Gradients


These gradients show how the RGB color 102, 53, 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 RGB color 102, 53, 240 by changing the saturation by 10% instead.




 102, 53, 240	 102, 53, 240
 255, 255, 255	 66, 24, 211
 166, 106, 255	 7, 0, 182
 197, 133, 255	 0, 0, 155
 228, 160, 255	 0, 0, 128
 255, 188, 255	 0, 0, 101
 255, 217, 255	 0, 9, 76
 255, 246, 255	 0, 5, 52
	 0, 2, 30
	 0, 0, 1

 102, 53, 240

 102, 53, 240

 84, 29, 240


 120, 77, 240


 67, 5, 240

 137, 101, 240

 63, 0, 240

 155, 125, 240

 173, 149, 240

 191, 173, 240

 208, 197, 240

 226, 221, 240

 244, 245, 240

 255, 255, 240

# Harmonies

## Analogous

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



0, 105, 255



102, 53, 240



208, 0, 166

# Triad

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



102, 53, 240



169, 61, 0



0, 126, 116

# Complementary

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



102, 53, 240



191, 240, 53

# 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, 123, 10



102, 53, 240



98, 100, 0

# Square

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



102, 53, 240



218, 0, 0



0, 116, 0



0, 127, 203

# Rectangle

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



102, 53, 240



233, 0, 108



0, 116, 0



0, 125, 85



# Sweetspot

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



102, 53, 240



212, 196, 255



53, 193, 240



101, 92, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



102, 53, 240



78, 15, 255



193, 53, 240



111, 108, 120



48, 0, 184



15, 0, 56



# Inverse Universe

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



240, 53, 191



255, 15, 192



100, 240, 53



120, 108, 117



184, 0, 135

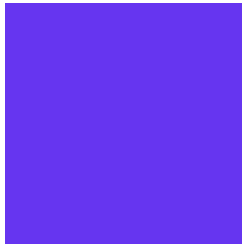


56, 0, 41



# Previews

## White Background



This preview shows how the RGB color 102, 53, 240 looks on a white background.

## Color Contrast Check

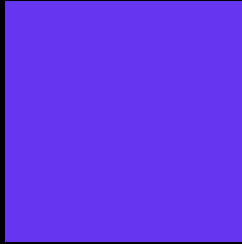
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 102, 53, 240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

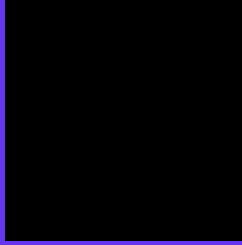
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 102, 53, 240 Background



This preview shows how black text looks on a background with the RGB color 102, 53, 240.



This preview shows how white text looks on a background with the RGB color 102, 53, 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**

102, 53, 240

**Protanopia**

0, 92, 194

**Deuteranopia**

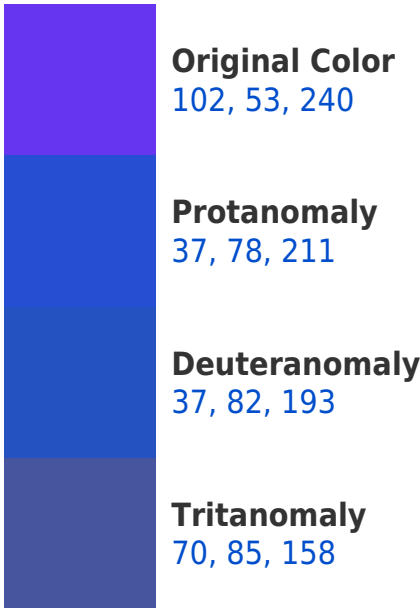
0, 98, 166



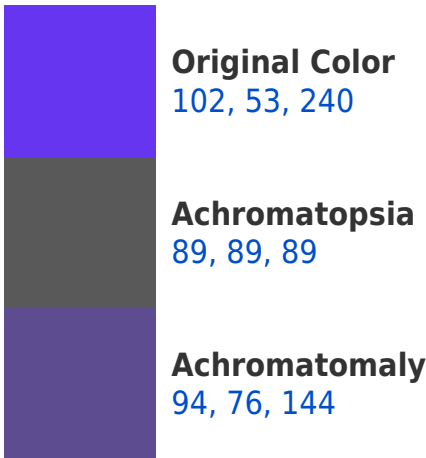
## Tritanopia

51, 103, 111

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 102, 53, 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(102, 53, 240)` looks like.

```
.text, #text, p{  
    color:rgb(102, 53, 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(102, 53, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 53, 240) }
```

## Border

The CSS property to change the border of an element to RGB 102, 53, 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(102, 53, 240) }
```

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

```
.border{ border-color:rgb(102, 53, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 53, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 53, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 53, 240);  
box-shadow:4px 4px 4px 4px rgb(102, 53,  
240) }
```

# Background

The CSS property to change the background color of an element to RGB 102, 53, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 53, 240) }
```

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

```
.background{ background-color: rgb(102, 53,  
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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