

# Converting Colors

YIQ(158.8170, 51.7500, 75.3820)

Have a look what the booklet for  
YIQ(158.8170, 51.7500, 75.3820)  
contains.

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# Color

**YIQ(158.8170, 51.7500,  
75.3820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF60E6
RGB	255, 96, 230
RGB Percent	100%, 38%, 90%
CMY	0.0000, 0.6238, 0.0979
CMYK	0.00, 0.62, 0.10, 0.00
HSL	309°, 100%, 69%
HSV	309°, 62%, 100%
XYZ	59.7034, 35.3282, 78.5543
YIQ	158.8170, 51.7500, 75.3820

# Conversions

## Conversions Part 2

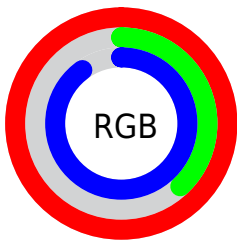
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 96, 230
Decimal	16736486
CIE Lab	66.00, 74.75, -37.99
CIE LCh	66, 83.848, 333.057
Yxy	35.3282, 0.3439, 0.2035
Android (android.graphics.Color)	4294926566 (0xFFFF60E6)
YUV	158.8170, 35.0932, 84.3525
Hunter-Lab	59.4376, 75.2825, -36.7530

# Details

The YIQ color **158.8170, 51.7500, 75.3820** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **192.1830, -51.7500, -75.3820**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **196.3000, 27.5000, 52.3000**, and **92.2290, 53.7660, 82.9020** is the 20% darker color. If you saturate the color by 10%, you get **143.0990, 60.1840, 87.7360**, and if you desaturate by 10%, it is **173.9480, 43.5910, 63.5510**.

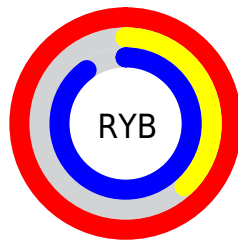
# Distribution



Red (100%)

Green (38%)

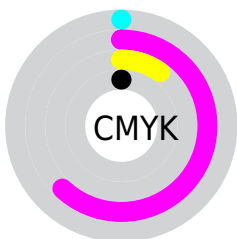
Blue (90%)



Red (100%)

Yellow (38%)

Blue (90%)

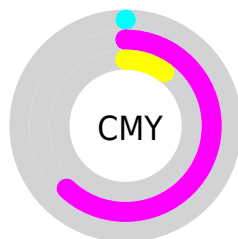


Cyan (0%)

Magenta (62%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (62%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 158.8170, 51.7500, 75.3820 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 YIQ color 158.8170, 51.7500, 75.3820 by changing the saturation by 10% instead.





 158.8170, 51.7500,  
75.3820


 158.8170, 51.7500,  
75.3820


255.0000, -0.0000,  
-0.0000


 127.8710, 51.6580,  
77.0500


 196.3000, 27.5000,  
52.3000

 92.2290, 53.7660,  
82.9020


 213.3230, 19.5250,  
37.1330


 66.0930, 51.1530,  
80.6970

 230.9330, 11.2750,  
21.4430

 54.4580, 42.2150,  
66.4630

 248.5430, 3.0250,  
5.7530

 43.2360, 33.5520,  
52.7520

 32.0140, 24.8890,  
39.0410

 21.3190, 16.1800,

26.1640

■ 8.6450, 2.9780,  
12.1140

■ 0.0000, 0.0000,  
0.0000

■ 158.8170, 51.7500,  
75.3820

■ 158.8170, 51.7500,  
75.3820

■ 143.0990, 60.1840,  
87.7360

■ 173.9480, 43.5910,  
63.5510

■ 127.9680, 68.3430,  
99.5670

■ 189.6660, 35.1570,  
51.1970

■ 112.2500, 76.7770,  
111.9210

■ 204.7970, 26.9980,  
39.3660

■ 100.7550, 82.9650,  
120.9250

■ 220.5150, 18.5640,  
27.0120

235.6460, 10.4050,  
15.1810

251.3640, 1.9710,  
2.8270

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



158.5360, -20.3190, 43.3690



158.8170, 51.7500, 75.3820



135.1190, 82.6540, 65.9660

# Triad

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



158.8170, 51.7500, 75.3820



149.5340, 66.8560, -44.2480



140.7650, -130.4360, -25.9880

# Complementary

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



158.8170, 51.7500, 75.3820



192.1830, -51.7500, -75.3820

# 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.



132.2150, -106.3610, -49.3130



158.8170, 51.7500, 75.3820



137.3650, 15.1430, -70.7210

# Square

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



158.8170, 51.7500, 75.3820



149.5650, 110.2700, -16.0500



120.8610, -79.9020, -71.7900



138.2520, -133.0050, -17.9730



# Rectangle

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



158.8170, 51.7500, 75.3820



135.9900, 95.3580, 44.9740



120.8610, -79.9020, -71.7900



138.7300, -123.3280, -33.6640

# Sweetspot

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



158.8170, 51.7500, 75.3820



225.9120, 15.7680, 22.6160



121.3020, -36.7350, 54.5370



109.8200, 9.8550, 14.1350



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



158.8170, 51.7500, 75.3820



139.4630, 62.1550, 90.5630



149.9250, 76.7880, 51.1240



120.0270, 4.5380, 5.8660



75.4630, 62.1550, 90.5630



25.2920, 20.8100, 30.3620



# Inverse Universe

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



158.8170, 51.7500, 75.3820



139.4630, 62.1550, 90.5630



201.0750, -76.7880, -51.1240



120.0270, 4.5380, 5.8660



75.4630, 62.1550, 90.5630



25.2920, 20.8100, 30.3620



# Previews

## White Background



This preview shows how the YIQ color 158.8170, 51.7500, 75.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

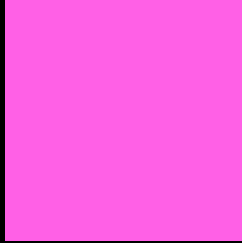
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 158.8170, 51.7500, 75.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

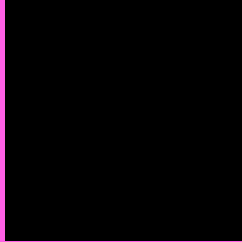
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 158.8170, 51.7500, 75.3820

## Background



This preview shows how black text looks on a background with the YIQ color 158.8170, 51.7500, 75.3820.



This preview shows how white text looks on a background with the YIQ color 158.8170, 51.7500,

75.3820.

# 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

158.8170, 51.7500, 75.3820

### Protanopia

158.5930, -51.9970, 22.7470

### Deuteranopia

160.2840, -29.4380, 15.8900



## Tritanopia

160.5040, 69.8230, 28.6630

# Trichromacy



## Original Color

158.8170, 51.7500, 75.3820



## Protanomaly

158.4180, -14.1750, 42.1530



## Deuteranomaly

159.4980, 0.0390, 37.8550



## Tritanomaly

159.9340, 63.4010, 45.9370

# Monochromacy



## Original Color

158.8170, 51.7500, 75.3820



## Achromatopsia

159.0000, -0.0000, 0.0000



## Achromatomaly

158.9280, 18.8390, 27.5350

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 158.8170, 51.7500, 75.3820 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(255, 96, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 230)  
}
```

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(255, 96, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 230) }
```

## Border

The CSS property to change the border of an element to YIQ 158.8170, 51.7500, 75.3820 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(255, 96, 230) }
```



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

```
.border{ border-color:rgb(255, 96, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 96, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
230) }
```

# Background

The CSS property to change the background color of an element to YIQ 158.8170, 51.7500, 75.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 230) }
```

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

```
.background{ background-color: rgb(255, 96,  
230) }
```

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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