

# Converting Colors

YIQ(75.4710, 16.1190, 109.9030)

Have a look what the booklet for  
YIQ(75.4710, 16.1190, 109.9030)  
contains.

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# Color

**YIQ(75.4710, 16.1190,  
109.9030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F00F5
RGB	159, 0, 245
RGB Percent	62%, 0%, 96%
CMY	0.3759, 1.0000, 0.0393
CMYK	0.35, 1.00, 0.00, 0.04
HSL	279°, 100%, 48%
HSV	279°, 100%, 96%
XYZ	30.8015, 13.9754, 87.4346
YIQ	75.4710, 16.1190, 109.9030

# Conversions

## Conversions Part 2

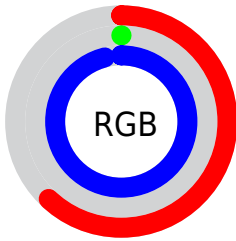
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 0, 245
Decimal	10420469
CIELab	44.20, 83.96, -82.11
CIElCh	44, 117.438, 315.641
Yxy	13.9754, 0.2330, 0.1057
Android (android.graphics.Color)	4288610549 (0xFF9F00F5)
YUV	75.4710, 83.5778, 73.2549
Hunter-Lab	37.3837, 81.6498, -112.5016

# Details

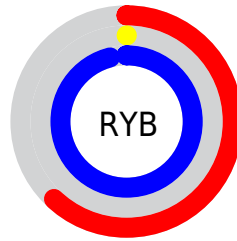
The YIQ color **75.4710, 16.1190, 109.9030** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **169.5290, -16.1190, -109.9030**, and the grayscale version is **75.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.9190, 25.3400, 80.4440**, and **50.3210, -2.2150, 78.7210** is the 20% darker color. If you saturate the color by 10%, you get **75.4710, 16.1190, 109.9030**, and if you desaturate by 10%, it is **92.2500, 14.8830, 99.2590**.

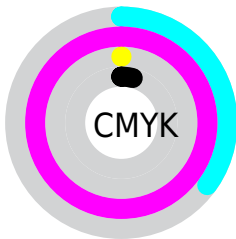
# Distribution



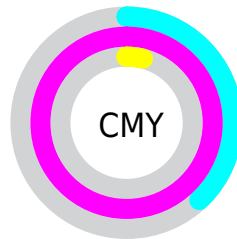
- Red (62%)
- Green (0%)
- Blue (96%)



- Red (62%)
- Yellow (0%)
- Blue (96%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)



- Cyan (38%)
- Magenta (100%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.4710, 16.1190, 109.9030 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 75.4710, 16.1190, 109.9030 by changing the saturation by 10% instead.



75.4710, 16.1190,  
109.9030

75.4710, 16.1190,  
109.9030

255.0000, -0.0000,  
-0.0000

62.8960, 6.9520,  
94.3120

146.2180, 25.9360,  
80.6560

50.3210, -2.2150,  
78.7210

173.0970, 36.1620,  
71.5380

37.2620, -12.8950,  
63.0170

191.6040, 29.7000,  
56.4840

21.3270, -29.8560,  
45.5040

208.6270, 21.7250,  
41.3170

12.0840, -34.0260,  
32.9660

226.2370, 13.4750,  
25.6270

9.1200, -25.6800,  
24.8800

243.8470, 5.2250,

9.3190, -19.3510,

9.9370

14.8010

■ 5.0500, -11.4640,  
9.5280

■ 0.9120, -2.5680,  
2.4880

■ 75.4710, 16.1190,  
109.9030

■ 92.2500, 14.8830,  
99.2590

■ 109.3170, 12.7760,  
87.8800

■ 126.0960, 11.5400,  
77.2360

■ 143.1630, 9.4330,  
65.8570

■ 159.9420, 8.1970,  
55.2130

■ 177.3080, 6.6860,  
44.0460

■ 193.7880, 4.8540,  
33.1900

■ 211.1540, 3.3430,  
22.0230

■ 227.6340, 1.5110,  
11.1670

# Harmonies

## Analogous

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



90.1180, -110.4550, 24.9130



75.4710, 16.1190, 109.9030



90.7400, 95.3480, 100.2440

# Triad

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



75.4710, 16.1190, 109.9030



97.4690, 75.7900, -7.9060



98.7900, -88.0260, -23.6580

# Complementary

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



75.4710, 16.1190, 109.9030



169.5290, -16.1190, -109.9030

# 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.



85.0590, -53.4960, -54.7440



75.4710, 16.1190, 109.9030



91.4140, 14.5880, -44.1320

# Square

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



75.4710, 16.1190, 109.9030



67.8730, 135.2920, 48.1240



76.3100, -35.7500, -67.9900



109.7510, -117.5120, 4.1200



# Rectangle

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



75.4710, 16.1190, 109.9030



86.7330, 122.4480, 82.6720



76.3100, -35.7500, -67.9900



94.3270, -76.8370, -33.7090

# Sweetspot

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



75.4710, 16.1190, 109.9030



202.3150, 4.8080, 34.0240



80.7600, -103.3950, 29.1250



95.9150, 2.5180, 20.4540



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.



75.4710, 16.1190, 109.9030



78.7040, 17.0810, 114.4970



97.4230, 77.9680, 117.8720



113.7600, 0.9160, 5.4280



57.3830, 12.4100, 83.4980



18.0880, 3.7090, 26.4050



# Inverse Universe

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



83.0590, 118.4140, 78.6860



86.3910, 123.4110, 81.7390



147.5770, -77.9680, -117.8720



114.0440, 5.8680, 3.7880



63.0240, 89.9910, 59.6470



20.0350, 28.4230, 19.0390



# Previews

## White Background



This preview shows how the YIQ color 75.4710, 16.1190, 109.9030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

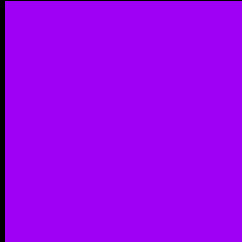
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 75.4710, 16.1190, 109.9030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

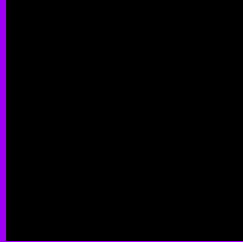
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 75.4710, 16.1190, 109.9030

## Background



This preview shows how black text looks on a background with the YIQ color 75.4710, 16.1190, 109.9030.



This preview shows how white text looks on a background with the YIQ color 75.4710, 16.1190,



# 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

75.4710, 16.1190, 109.9030

### Protanopia

84.3840, -97.0650, 13.5190

### Deuteranopia

85.1870, -89.6810, 0.8390



## Tritanopia

107.5620, 19.2090, 9.8090

# Trichromacy



## Original Color

75.4710, 16.1190, 109.9030

## Protanomaly

81.2610, -55.8530, 48.5870

## Deuteranomaly

81.4430, -50.8540, 40.5860

## Tritanomaly

95.9350, 18.1020, 46.4060

# Monochromacy



## Original Color

75.4710, 16.1190, 109.9030

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

75.4880, 5.9990, 39.9750

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.4710, 16.1190, 109.9030 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(159, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 245)  
}
```

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(159, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 245) }
```

## Border

The CSS property to change the border of an element to YIQ 75.4710, 16.1190, 109.9030 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(159, 0, 245) }
```



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

```
.border{ border-color:rgb(159, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(159, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(159, 0,  
245) }
```

# Background

The CSS property to change the background color of an element to YIQ 75.4710, 16.1190, 109.9030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 245) }
```

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

```
.background{ background-color: rgb(159, 0,  
245) }
```

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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