

# Converting Colors

YIQ(74.1490, 21.2160, 67.0720)

Have a look what the booklet for  
YIQ(74.1490, 21.2160, 67.0720)  
contains.

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# Color

**YIQ(74.1490, 21.2160,  
67.0720)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8819A5
RGB	136, 25, 165
RGB Percent	53%, 10%, 65%
CMY	0.4663, 0.9021, 0.3530
CMYK	0.18, 0.85, 0.00, 0.35
HSL	288°, 74%, 37%
HSV	288°, 85%, 65%
XYZ	17.3055, 8.6514, 36.3521
YIQ	74.1490, 21.2160, 67.0720

# Conversions

## Conversions Part 2

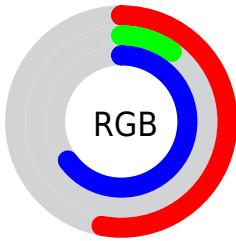
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	136, 25, 165
Decimal	8919461
CIE <sub>Lab</sub>	35.30, 62.25, -50.29
CIE <sub>LCh</sub>	35, 80.027, 321.067
Y <sub>xy</sub>	8.6514, 0.2777, 0.1388
Android (android.graphics.Color)	4287109541 (0xFF8819A5)
Y <sub>UV</sub>	74.1490, 44.7895, 54.2433
Hunter-Lab	29.4133, 53.5484, -52.6877

# Details

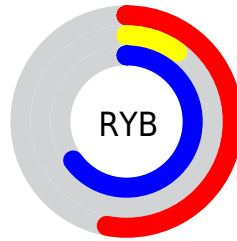
The YIQ color **74.1490, 21.2160, 67.0720** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **115.8510, -21.2160, -67.0720**, and the grayscale version is **74.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **133.3830, 20.4370, 64.6690**, and **36.9870, 12.3240, 52.0040** is the 20% darker color. If you saturate the color by 10%, you get **63.2730, 24.1030, 75.3270**, and if you desaturate by 10%, it is **84.4380, 18.6040, 59.3400**.

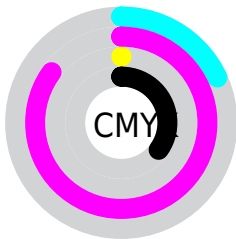
# Distribution



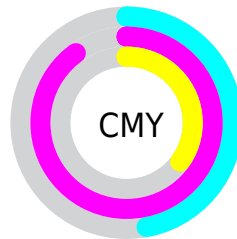
- Red (53%)
- Green (10%)
- Blue (65%)



- Red (53%)
- Yellow (10%)
- Blue (65%)



- Cyan (18%)
- Magenta (85%)
- Yellow (0%)
- Black (35%)



- Cyan (47%)
- Magenta (90%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 74.1490, 21.2160, 67.0720 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 74.1490, 21.2160, 67.0720 by changing the saturation by 10% instead.



74.1490, 21.2160,  
67.0720

74.1490, 21.2160,  
67.0720

255.0000, -0.0000,  
-0.0000

48.0240, 20.0700,  
65.8140

133.3830, 20.4370,  
64.6690

36.9870, 12.3240,  
52.0040

161.7960, 20.7120,  
65.1920

26.0640, 4.2570,  
38.5050

187.1850, 29.5620,  
58.9860

14.9560, -4.7270,  
25.1050

204.5180, 23.6500,  
44.9780

6.3210, -13.6650,  
10.8710

221.5410, 15.6750,  
29.8110

2.5250, -5.7320,  
4.7640

238.5640, 7.7000,

0.0000, 0.0000,

14.6440

0.0000

■ 74.1490, 21.2160,  
67.0720

■ 74.1490, 21.2160,  
67.0720

■ 63.2730, 24.1030,  
75.3270

■ 84.4380, 18.6040,  
59.3400

■ 57.9790, 25.1110,  
79.0870

■ 95.6130, 16.3130,  
51.2970

■ 105.9020, 13.7010,  
43.5650

■ 117.0770, 11.4100,  
35.5220

■ 127.3660, 8.7980,  
27.7900

■ 138.5410, 6.5070,  
19.7470

■ 148.8300, 3.8950,  
12.0150

■ 159.7060, 1.0080,  
3.7600

■ 170.2940, -1.0080,  
-3.7600

# Harmonies

## Analogous

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



67.9820, -86.7050, 24.0070



74.1490, 21.2160, 67.0720



66.0890, 74.1710, 71.0270

# Triad

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



74.1490, 21.2160, 67.0720



78.7200, 49.9780, -13.6860



77.4010, -70.5130, -16.1530

# Complementary

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



74.1490, 21.2160, 67.0720



115.8510, -21.2160, -67.0720

# 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.



69.1760, -48.7310, -36.4670



74.1490, 21.2160, 67.0720



71.9330, 8.9930, -36.3430

# Square

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



74.1490, 21.2160, 67.0720



67.8090, 87.4770, 17.0850



59.8740, -28.0500, -53.3460



83.1980, -88.2140, 1.7860



# Rectangle

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



74.1490, 21.2160, 67.0720



63.3940, 91.8250, 59.4490



59.8740, -28.0500, -53.3460



74.8930, -63.4510, -22.9950

# Sweetspot

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



74.1490, 21.2160, 67.0720



179.6000, 8.0190, 25.3870



58.5700, -53.1900, 27.8500



86.1230, 4.6280, 15.2520



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000



# Same Dimension

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



74.1490, 21.2160, 67.0720



75.2260, 32.6260, 102.5940



78.2600, 51.3400, 60.7800



76.1190, 1.2830, 4.2830



50.9150, 21.9950, 69.4750



6.2380, 2.5660, 8.5660



# Inverse Universe

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



70.1660, 74.1310, 38.6990



69.0020, 113.4200, 59.0520



111.7400, -51.3400, -60.7800



75.9190, 4.7220, 2.5300



46.7750, 76.7900, 40.0700



5.8380, 9.4440, 5.0600



# Previews

## White Background



This preview shows how the YIQ color 74.1490, 21.2160, 67.0720 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 ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

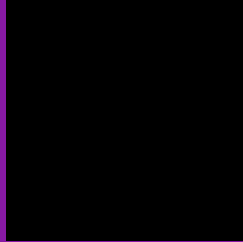
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 74.1490, 21.2160, 67.0720**

## **Background**



This preview shows how black text looks on a background with the YIQ color 74.1490, 21.2160, 67.0720.



This preview shows how white text looks on a background with the YIQ color 74.1490, 21.2160,



# 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

74.1490, 21.2160, 67.0720

### Protanopia

67.1550, -77.4870, 11.1290

### Deuteranopia

67.8100, -72.4420, 2.2940



## Tritanopia

85.0150, 31.1750, 13.2150

# Trichromacy



## Original Color

74.1490, 21.2160, 67.0720

## Protanomaly

69.7240, -41.8200, 31.0440

## Deuteranomaly

70.1170, -38.7930, 25.7430

## Tritanomaly

80.8800, 27.9620, 32.9060

# Monochromacy



## Original Color

74.1490, 21.2160, 67.0720

## Achromatopsia

74.0000, -0.0000, 0.0000

## Achromatomaly

74.0730, 8.0650, 24.5530

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 74.1490, 21.2160, 67.0720 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(136, 25, 165)` looks like.

```
.text, #text, p{  
    color:rgb(136, 25, 165)  
}
```

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(136, 25, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 25, 165) }
```

## Border

The CSS property to change the border of an element to YIQ 74.1490, 21.2160, 67.0720 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(136, 25, 165) }
```



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

```
.border{ border-color:rgb(136, 25, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 25, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 25, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 25, 165); box-shadow:4px 4px 4px 4px rgb(136, 25, 165) }
```

# Background

The CSS property to change the background color of an element to YIQ 74.1490, 21.2160, 67.0720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 25, 165) }
```

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

```
.background{ background-color: rgb(136, 25,  
165) }
```

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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