

# Converting Colors

YIQ(107.4690, 63.1590,  
116.4310)

Have a look what the booklet for  
YIQ(107.4690, 63.1590, 116.4310)  
contains.

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# Color

**YIQ(107.4690, 63.1590,  
116.4310)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | F00FEC                      |
| RGB         | 240, 15, 236                |
| RGB Percent | 94%, 6%, 93%                |
| CMY         | 0.0581, 0.9414, 0.0744      |
| CMYK        | 0.00, 0.94, 0.02, 0.06      |
| HSL         | 301°, 88%, 50%              |
| HSV         | 301°, 94%, 94%              |
| XYZ         | 51.3062, 24.9516, 81.4843   |
| YIQ         | 107.4690, 63.1590, 116.4310 |

# Conversions

## Conversions Part 2

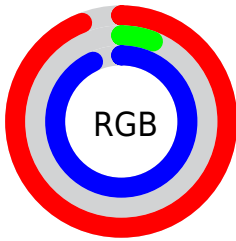
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>YB</sub>                     | 240, 15, 236                   |
| Decimal                             | 15732716                       |
| CIE <sub>Lab</sub>                  | 57.03, 92.34, -55.67           |
| CIE <sub>LCh</sub>                  | 57, 107.818, 328.914           |
| Yxy                                 | 24.9516, 0.3253,<br>0.1582     |
| Android<br>(android.graphics.Color) | 4293922796<br>(0xFFFF00FEC)    |
| YUV                                 | 107.4690, 63.3658,<br>116.2297 |
| Hunter-Lab                          | 49.9516, 95.9255,<br>-61.7516  |

# Details

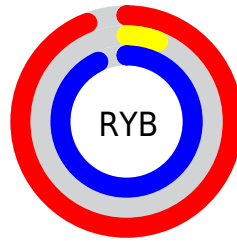
The YIQ color **107.4690, 63.1590, 116.4310** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **147.5310, -63.1590, -116.4310**, and the grayscale version is **107.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **166.9500, 41.2500, 78.4500**, and **73.9270, 49.2250, 93.6170** is the 20% darker color. If you saturate the color by 10%, you get **98.6640, 67.2840, 124.2760**, and if you desaturate by 10%, it is **121.5570, 56.5590, 103.8790**.

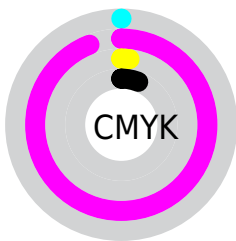
# Distribution



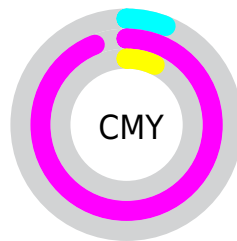
- Red (94%)
- Green (6%)
- Blue (93%)



- Red (94%)
- Yellow (6%)
- Blue (93%)



- Cyan (0%)
- Magenta (94%)
- Yellow (2%)
- Black (6%)




- Cyan (6%)
- Magenta (94%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 107.4690, 63.1590, 116.4310 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 107.4690, 63.1590, 116.4310 by changing the saturation by 10% instead.





 107.4690, 63.1590,  
116.4310


 107.4690, 63.1590,  
116.4310


255.0000, -0.0000,  
-0.0000


 86.0890, 58.1170,  
108.6850


 166.9500, 41.2500,  
78.4500


 73.9270, 49.2250,  
93.6170


 185.7340, 32.4500,  
61.7140

 61.8790, 40.0120,  
78.8600


 203.9310, 23.9250,  
45.5010

 50.1300, 31.3950,  
64.3150

 222.1280, 15.4000,  
29.2880

 38.3100, 21.5400,  
50.1800

 239.7380, 7.1500,  
13.5980

 27.0880, 12.8770,  
36.4690

 15.0830, 2.1050,

22.4330

■ 4.4800, -9.8590,  
7.9730

■ 0.0000, 0.0000,  
0.0000

■ 107.4690, 63.1590,  
116.4310

■ 107.4690, 63.1590,  
116.4310

■ 98.6640, 67.2840,  
124.2760

■ 121.5570, 56.5590,  
103.8790

■ 135.7590, 49.6380,  
91.6380

■ 149.8470, 43.0380,  
79.0860

■ 164.0490, 36.1170,  
66.8450

■ 178.1370, 29.5170,  
54.2930

■ 192.3390, 22.5960,  
42.0520

■ 206.4270, 15.9960,  
29.5000

■ 220.6290, 9.0750,  
17.2590

■ 234.7170, 2.4750,  
4.7070

# Harmonies

## Analogous

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



122.9090, -58.0980, 39.7100



107.4690, 63.1590, 116.4310



92.7750, 105.4350, 99.1550

# Triad

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



107.4690, 63.1590, 116.4310



128.9010, 64.7450, -33.5190



128.0160, -120.7170, -20.4050

# Complementary

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



107.4690, 63.1590, 116.4310



147.5310, -63.1590, -116.4310

# 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.



115.8980, -89.3510, -49.2150



107.4690, 63.1590, 116.4310



112.5020, -1.1800, -66.7480

# Square

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



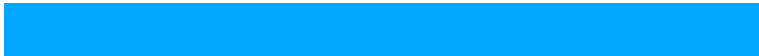
107.4690, 63.1590, 116.4310



121.9430, 118.7940, 5.6900



99.3970, -49.7770, -83.6090



128.2730, -128.3300, -9.0820



# Rectangle

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



107.4690, 63.1590, 116.4310



85.8210, 125.0160, 80.1840



99.3970, -49.7770, -83.6090



124.4820, -110.7660, -30.0460

# Sweetspot

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



107.4690, 63.1590, 116.4310



213.2090, 19.8460, 36.8220



41.8460, -69.8410, 70.8230



102.0580, 12.4210, 22.7010



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.



107.4690, 63.1590, 116.4310



104.7450, 71.7300, 131.8100



94.7010, 99.1110, 81.5990



112.9560, 3.3000, 6.2760



75.5360, 51.8840, 94.9880



23.0140, 15.7210, 28.9770



# Inverse Universe

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



107.4690, 63.1590, 116.4310



104.7450, 71.7300, 131.8100



160.2990, -99.1110, -81.5990



112.9560, 3.3000, 6.2760



75.5360, 51.8840, 94.9880



23.0140, 15.7210, 28.9770



# Previews

## White Background



This preview shows how the YIQ color 107.4690, 63.1590, 116.4310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

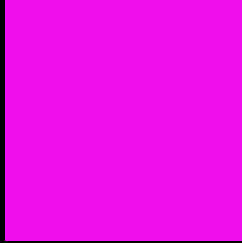
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YIQ color 107.4690, 63.1590, 116.4310 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 × Fail

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

# YIQ 107.4690, 63.1590, 116.4310

## Background



This preview shows how black text looks on a background with the YIQ color 107.4690, 63.1590, 116.4310.



This preview shows how white text looks on a background with the YIQ color 107.4690, 63.1590,



# 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

107.4690, 63.1590, 116.4310

### Protanopia

129.2560, -75.7930, 24.4870

### Deuteranopia

132.3270, -57.3600, 15.3120



## Tritanopia

133.4510, 77.3420, 30.0620

# Trichromacy



## Original Color

107.4690, 63.1590, 116.4310



## Protanomaly

121.4560, -25.3650, 57.7310



## Deuteranomaly

123.2260, -13.2140, 52.2740



## Tritanomaly

124.2100, 71.9720, 61.3160

# Monochromacy



## Original Color

107.4690, 63.1590, 116.4310



## Achromatopsia

107.0000, -0.0000, 0.0000



## Achromatomaly

107.3390, 22.5960, 42.0520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 107.4690, 63.1590, 116.4310 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(240, 15, 236)` looks like.

```
.text, #text, p{  
    color:rgb(240, 15, 236)  
}
```

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(240, 15, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 15, 236) }
```

## Border

The CSS property to change the border of an element to YIQ 107.4690, 63.1590, 116.4310 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(240, 15, 236) }
```



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

```
.border{ border-color:rgb(240, 15, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 15, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 15, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 15, 236);  
box-shadow:4px 4px 4px 4px rgb(240, 15,  
236) }
```

# Background

The CSS property to change the background color of an element to YIQ 107.4690, 63.1590, 116.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 15, 236) }
```

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

```
.background{ background-color: rgb(240, 15,  
236) }
```

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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