

# Converting Colors

YIQ(124.7040, 68.6660, 88.2020)

Have a look what the booklet for  
YIQ(124.7040, 68.6660, 88.2020)  
contains.

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# **Color**

**YIQ(124.7040, 68.6660,  
88.2020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F531C7
RGB	245, 49, 199
RGB Percent	96%, 19%, 78%
CMY	0.0387, 0.8081, 0.2194
CMYK	0.00, 0.80, 0.19, 0.04
HSL	314°, 91%, 58%
HSV	314°, 80%, 96%
XYZ	49.1143, 25.7533, 56.4394
YIQ	124.7040, 68.6660, 88.2020

# Conversions

## Conversions Part 2

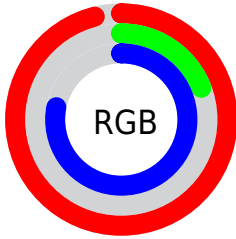
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 49, 199
Decimal	16069063
CIE <sub>Lab</sub>	57.80, 83.12, -33.41
CIE <sub>LCh</sub>	58, 89.582, 338.100
Yxy	25.7533, 0.3740, 0.1961
Android (android.graphics.Color)	4294259143 (0xFFFF531C7)
YUV	124.7040, 36.6279, 105.4996
Hunter-Lab	50.7477, 83.9462, -30.4163

# Details

The YIQ color **124.7040, 68.6660, 88.2020** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **169.2960, -68.6660, -88.2020**, and the grayscale version is **124.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **174.5810, 37.6750, 71.6510**, and **71.5460, 63.1190, 84.1030** is the 20% darker color. If you saturate the color by 10%, you get **109.3450, 77.4670, 99.4110**, and if you desaturate by 10%, it is **139.4760, 60.1400, 77.5160**.

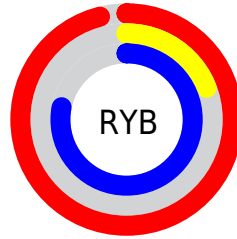
# Distribution



Red (96%)

Green (19%)

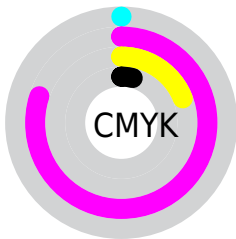
Blue (78%)



Red (96%)

Yellow (19%)

Blue (78%)

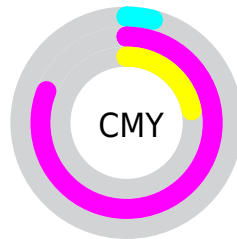


Cyan (0%)

Magenta (80%)

Yellow (19%)

Black (4%)



Cyan (4%)

Magenta (81%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 124.7040, 68.6660, 88.2020 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 124.7040, 68.6660, 88.2020 by changing the saturation by 10% instead.



124.7040, 68.6660,  
88.2020

124.7040, 68.6660,  
88.2020

255.0000, -0.0000,  
-0.0000

83.4800, 72.6530,  
98.5490

174.5810, 37.6750,  
71.6510

71.5460, 63.1190,  
84.1030

192.1910, 29.4250,  
55.9610

59.6120, 53.5850,  
69.6570

210.3880, 20.9000,  
39.7480

48.0910, 44.3260,  
55.7340

227.9980, 12.6500,  
24.0580

36.5700, 35.0670,  
41.8110

245.6080, 4.4000,  
8.3680

25.9890, 26.0370,  
29.2450

14.5110, 15.2190,

16.0430

■ 0.0000, 0.0000,  
0.0000

■ 124.7040, 68.6660,  
88.2020

■ 124.7040, 68.6660,  
88.2020

■ 109.3450, 77.4670,  
99.4110

■ 139.4760, 60.1400,  
77.5160

■ 94.6870, 85.6720,  
110.4080

■ 154.8350, 51.3390,  
66.3070

■ 169.4930, 43.1340,  
55.3100

■ 184.8520, 34.3330,  
44.1010

■ 200.2110, 25.5320,  
32.8920

214.9830, 17.0060,  
22.2060

230.2280, 8.5260,  
10.6860

245.0000, -0.0000,  
0.0000

251.5540, -4.6760,  
-3.3640

# Harmonies

## Analogous

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



139.7300, -14.4530, 58.2110



124.7040, 68.6660, 88.2020



90.0390, 113.1390, 91.6910

# Triad

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



124.7040, 68.6660, 88.2020



128.7910, 50.0750, -42.9890



127.1670, -122.4600, -16.3480

# Complementary

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



124.7040, 68.6660, 88.2020



169.2960, -68.6660, -88.2020

# 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.



118.5030, -98.0640, -39.9840



124.7040, 68.6660, 88.2020



110.6640, -10.6240, -71.8080

# Square

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



124.7040, 68.6660, 88.2020



129.4310, 96.1480, -13.4200



107.2800, -70.5960, -64.2280



124.7510, -126.6800, -5.9440



# Rectangle

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



124.7040, 68.6660, 88.2020



110.1670, 117.0890, 53.1290



107.2800, -70.5960, -64.2280



124.4310, -114.7560, -23.8120

# Sweetspot

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



124.7040, 68.6660, 88.2020



217.5970, 21.2690, 27.5490



85.0980, -35.5000, 70.7080



105.2550, 13.0640, 16.5520



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.



124.7040, 68.6660, 88.2020



104.5730, 85.9930, 110.0970



113.5320, 100.1240, 57.7240



114.7280, 3.9420, 5.6540



71.8020, 65.2740, 83.5940



22.7710, 20.7190, 26.5030



# Inverse Universe

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



124.7040, 68.6660, 88.2020



104.5730, 85.9930, 110.0970



180.4680, -100.1240, -57.7240



114.7280, 3.9420, 5.6540



71.8020, 65.2740, 83.5940



22.7710, 20.7190, 26.5030



# Previews

## White Background



This preview shows how the YIQ color 124.7040, 68.6660, 88.2020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

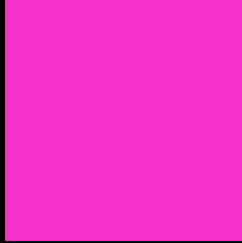
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 124.7040, 68.6660, 88.2020 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 124.7040, 68.6660, 88.2020

## Background



This preview shows how black text looks on a background with the YIQ color 124.7040, 68.6660, 88.2020.



This preview shows how white text looks on a background with the YIQ color 124.7040, 68.6660,



# 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

124.7040, 68.6660, 88.2020

### Protanopia

131.9360, -71.8960, 25.4480

### Deuteranopia

139.5250, -22.9270, 13.5290



## Tritanopia

132.9360, 86.2820, 33.2420

# Trichromacy



## Original Color

124.7040, 68.6660, 88.2020



## Protanomaly

129.3990, -21.1910, 48.1610



## Deuteranomaly

134.0540, 10.2170, 40.6250



## Tritanomaly

129.9470, 79.7220, 53.0180

# Monochromacy



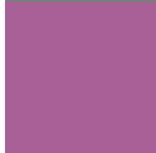
## Original Color

124.7040, 68.6660, 88.2020



## Achromatopsia

125.0000, 0.0000, 0.0000



## Achromatomaly

124.7980, 25.2570, 32.3690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 124.7040, 68.6660, 88.2020 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(245, 49, 199)` looks like.

```
.text, #text, p{  
    color:rgb(245, 49, 199)  
}
```

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(245, 49, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 49, 199) }
```

## Border

The CSS property to change the border of an element to YIQ 124.7040, 68.6660, 88.2020 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(245, 49, 199) }
```



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

```
.border{ border-color:rgb(245, 49, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 49, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 49, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 49, 199);  
box-shadow:4px 4px 4px 4px rgb(245, 49,  
199) }
```

# Background

The CSS property to change the background color of an element to YIQ 124.7040, 68.6660, 88.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 49, 199) }
```

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

```
.background{ background-color: rgb(245, 49,  
199) }
```

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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