

# Converting Colors

YIQ(66.4410, 30.5760, 29.5840)

Have a look what the booklet for  
YIQ(66.4410, 30.5760, 29.5840)  
contains.

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# Color

**YIQ(66.4410, 30.5760,  
29.5840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	722753
RGB	114, 39, 83
RGB Percent	45%, 15%, 33%
CMY	0.5527, 0.8472, 0.6744
CMYK	0.00, 0.66, 0.27, 0.55
HSL	325°, 49%, 30%
HSV	325°, 66%, 45%
XYZ	9.2329, 5.6548, 8.7930
YIQ	66.4410, 30.5760, 29.5840

# Conversions

## Conversions Part 2

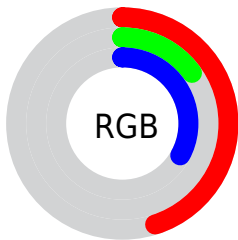
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 39, 83
Decimal	7481171
CIE Lab	28.52, 37.93, -9.68
CIE LCh	29, 39.147, 345.681
Yxy	5.6548, 0.3899, 0.2388
Android (android.graphics.Color)	4285671251 (0xFF722753)
YUV	66.4410, 8.1636, 41.7092
Hunter-Lab	23.7798, 27.6913, -5.2776

# Details

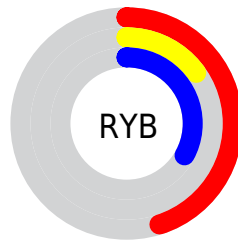
The YIQ color **66.4410, 30.5760, 29.5840** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **86.5590, -30.5760, -29.5840**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **117.5230, 33.2810, 30.1210**, and **22.8700, 24.7540, 24.9620** is the 20% darker color. If you saturate the color by 10%, you get **59.4140, 35.2060, 33.7820**, and if you desaturate by 10%, it is **73.4680, 25.9460, 25.3860**.

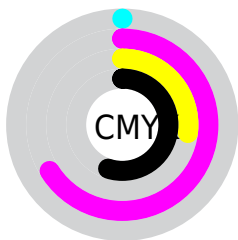
# Distribution



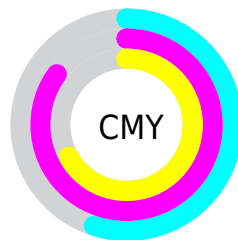
- Red (45%)
- Green (15%)
- Blue (33%)



- Red (45%)
- Yellow (15%)
- Blue (33%)



- Cyan (0%)
- Magenta (66%)
- Yellow (27%)
- Black (55%)



- Cyan (55%)
- Magenta (85%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.4410, 30.5760, 29.5840 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 66.4410, 30.5760, 29.5840 by changing the saturation by 10% instead.



66.4410, 30.5760,  
29.5840

66.4410, 30.5760,  
29.5840

255.0000, -0.0000,  
-0.0000

39.6090, 30.1630,  
31.5630

117.6370, 32.9600,  
30.4320

23.1690, 25.3500,  
25.1740

144.2350, 34.1520,  
30.8560

14.1970, 18.9790,  
13.9790

171.2460, 35.6190,  
31.8030

0.0000, 0.0000,  
0.0000

199.1430, 37.4070,  
32.4390

218.8850, 20.3980,  
26.8140

236.8030, 8.5250,

16.2130

253.8260, 0.5500,  
1.0460

■ 66.4410, 30.5760,  
29.5840

■ 66.4410, 30.5760,  
29.5840

■ 59.4140, 35.2060,  
33.7820

■ 73.4680, 25.9460,  
25.3860

■ 51.9140, 39.7900,  
38.8140

■ 80.9680, 21.3620,  
20.3540

■ 44.8870, 44.4200,  
43.0120

■ 87.9950, 16.7320,  
16.1560

■ 41.7240, 46.4370,  
45.0050

■ 95.6090, 11.8270,  
11.4350

■ 102.6360, 7.1970,  
7.2370

■ 109.5490, 2.8880,  
2.7280

■ 117.1630, -2.0170,  
-1.9930

■ 124.1900, -6.6470,  
-6.1910

■ 131.6900,  
-11.2310, -11.2230

# Harmonies

## Analogous

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



69.3760, 2.8380, 25.6700



66.4410, 30.5760, 29.5840



63.9400, 44.9280, 22.7840

# Triad

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



66.4410, 30.5760, 29.5840



61.7100, 20.4070, -22.9290



59.5000, -57.3100, -7.6300

# Complementary

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



66.4410, 30.5760, 29.5840



86.5590, -30.5760, -29.5840

# 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.



57.0090, -48.9180, -16.5500



66.4410, 30.5760, 29.5840



56.8620, -9.4400, -27.1680

# Square

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



66.4410, 30.5760, 29.5840



64.0270, 38.9280, -11.6640



52.7740, -38.3710, -25.9790



58.3890, -61.0710, -0.0390



# Rectangle

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



66.4410, 30.5760, 29.5840



64.1000, 46.9930, 12.8890



52.7740, -38.3710, -25.9790



59.1750, -55.0170, -10.6410

# Sweetspot

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



66.4410, 30.5760, 29.5840



129.0220, 12.1020, 11.9580



56.5200, -6.1950, 29.6850



62.6360, 7.1970, 7.2370



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



66.4410, 30.5760, 29.5840



73.8490, 47.5830, 46.2630



62.2230, 42.4530, 18.0770



52.2500, 2.2920, 2.5160



43.8600, 49.0500, 47.2100



90.3830, 100.6670, 97.4590



# Inverse Universe

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



66.4410, 30.5760, 29.5840



73.8490, 47.5830, 46.2630



90.7770, -42.4530, -18.0770



52.2500, 2.2920, 2.5160



43.8600, 49.0500, 47.2100

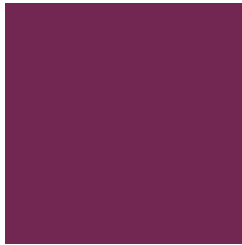


90.3830, 100.6670, 97.4590



# Previews

## White Background



This preview shows how the YIQ color 66.4410, 30.5760, 29.5840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

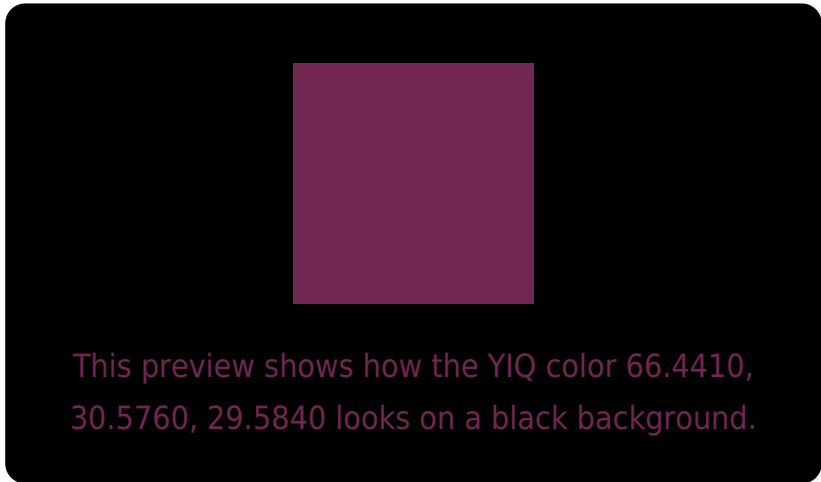
Any Text WCAG AA ✓ Pass

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 66.4410, 30.5760, 29.5840

## Background



This preview shows how black text looks on a background with the YIQ color 66.4410, 30.5760, 29.5840.



This preview shows how white text looks on a background with the YIQ color 66.4410, 30.5760,



# 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

66.4410, 30.5760, 29.5840

### Protanopia

67.9290, -18.4330, 9.1750

### Deuteranopia

69.2650, -2.0640, 4.3680



## Tritanopia

66.4780, 37.1810, 14.5010

# Trichromacy



## Original Color

66.4410, 30.5760, 29.5840

## Protanomaly

67.4260, -0.5990, 16.3690

## Deuteranomaly

68.2930, 9.9010, 13.3010

## Tritanomaly

66.3840, 34.7500, 20.0140

# Monochromacy



## Original Color

66.4410, 30.5760, 29.5840

## Achromatopsia

66.0000, -0.0000, -0.0000

## Achromatomaly

65.8970, 10.9560, 10.7000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.4410, 30.5760, 29.5840 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(114, 39, 83)` looks like.

```
.text, #text, p{  
    color:rgb(114, 39, 83)  
}
```

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(114, 39, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 39, 83) }
```

## Border

The CSS property to change the border of an element to YIQ 66.4410, 30.5760, 29.5840 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(114, 39, 83) }
```



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

```
.border{ border-color:rgb(114, 39, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 39, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 39, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 39, 83);  
box-shadow:4px 4px 4px 4px rgb(114, 39,  
83) }
```

# Background

The CSS property to change the background color of an element to YIQ 66.4410, 30.5760, 29.5840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 39, 83) }
```

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

```
.background{ background-color: rgb(114, 39,  
83) }
```

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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