

# Converting Colors

YIQ(68.4010, 28.0530, 36.7650)

Have a look what the booklet for  
YIQ(68.4010, 28.0530, 36.7650)  
contains.

<b>YIQ(68.4010, 28.0530, 36.7650)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(68.4010, 28.0530,  
36.7650)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	762564
RGB	118, 37, 100
RGB Percent	46%, 15%, 39%
CMY	0.5370, 0.8550, 0.6078
CMYK	0.00, 0.69, 0.15, 0.54
HSL	313°, 52%, 30%
HSV	313°, 69%, 46%
XYZ	10.4408, 6.0971, 12.6872
YIQ	68.4010, 28.0530, 36.7650

# Conversions

## Conversions Part 2

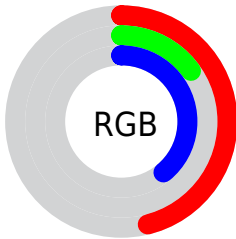
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 37, 100
Decimal	7742820
CIE <sub>Lab</sub>	29.66, 42.67, -18.97
CIE <sub>LCh</sub>	30, 46.693, 336.032
Yxy	6.0971, 0.3573, 0.2086
Android (android.graphics.Color)	4285932900 (0xFF762564)
YUV	68.4010, 15.5783, 43.4983
Hunter-Lab	24.6924, 32.2643, -13.1792

# Details

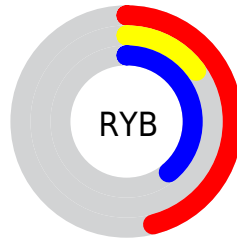
The YIQ color **68.4010, 28.0530, 36.7650** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **86.5990, -28.0530, -36.7650**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **121.1840, 30.1620, 37.0900**, and **25.7760, 22.3230, 30.4750** is the 20% darker color. If you saturate the color by 10%, you get **61.0150, 32.3160, 42.1080**, and if you desaturate by 10%, it is **75.7870, 23.7900, 31.4220**.

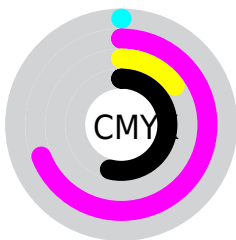
# Distribution



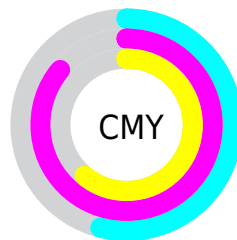
- Red (46%)
- Green (15%)
- Blue (39%)



- Red (46%)
- Yellow (15%)
- Blue (39%)



- Cyan (0%)
- Magenta (69%)
- Yellow (15%)
- Black (54%)



- Cyan (54%)
- Magenta (86%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 68.4010, 28.0530, 36.7650 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 68.4010, 28.0530, 36.7650 by changing the saturation by 10% instead.



68.4010, 28.0530,  
36.7650

68.4010, 28.0530,  
36.7650

255.0000, -0.0000,  
-0.0000

39.1070, 29.0610,  
40.5250

120.5970, 30.4370,  
37.6130

25.7760, 22.3230,  
30.4750

147.3090, 31.3080,  
38.3480

17.1030, 16.5480,  
19.4920

174.9070, 32.5000,  
38.7720

0.3420, -0.9630,  
0.9330

201.5370, 30.6660,  
38.9700

0.0000, 0.0000,  
0.0000

220.3670, 16.2250,  
30.8570

237.3900, 8.2500,

15.6900

254.4130, 0.2750,  
0.5230

■ 68.4010, 28.0530,  
36.7650

■ 68.4010, 28.0530,  
36.7650

■ 61.0150, 32.3160,  
42.1080

■ 75.7870, 23.7900,  
31.4220

■ 53.7430, 36.2580,  
47.7620

■ 83.0590, 19.8480,  
25.7680

■ 46.9440, 40.2460,  
52.5820

■ 89.8580, 15.8600,  
20.9480

■ 45.7700, 40.7960,  
53.6280

■ 97.2440, 11.5970,  
15.6050

■ 104.5160, 7.6550,  
9.9510

■ 111.9020, 3.3920,  
4.6080

■ 119.1740, -0.5500,  
-1.0460

■ 125.9730, -4.5380,  
-5.8660

■ 133.3590, -8.8010,  
-11.2090

# Harmonies

## Analogous

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



70.9000, -10.3210, 27.3670



68.4010, 28.0530, 36.7650



62.3250, 51.5740, 34.5020

# Triad

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



68.4010, 28.0530, 36.7650



65.2980, 27.5590, -20.3850



62.6630, -59.3270, -9.6230

# Complementary

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



68.4010, 28.0530, 36.7650



86.5990, -28.0530, -36.7650

# 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.



59.1460, -48.0460, -21.3420



68.4010, 28.0530, 36.7650



58.3330, 2.1150, -32.8370

# Square

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



68.4010, 28.0530, 36.7650



65.7510, 48.6930, -6.9150



53.6400, -35.2980, -32.1140



63.0510, -65.9310, -0.0670



# Rectangle

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



68.4010, 28.0530, 36.7650



63.2140, 55.8400, 23.2640



53.6400, -35.2980, -32.1140



61.9960, -56.0710, -13.5670

# Sweetspot

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



68.4010, 28.0530, 36.7650



133.4180, 11.0470, 14.5590



51.6160, -15.2730, 29.0070



64.6900, 7.1050, 8.9050



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



68.4010, 28.0530, 36.7650



76.4330, 43.3630, 56.6670



63.8410, 40.8930, 24.3250



55.2500, 2.2920, 2.5160



47.3080, 42.2170, 55.4090



96.8660, 86.7260, 113.3340



# Inverse Universe

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



68.4010, 28.0530, 36.7650



76.4330, 43.3630, 56.6670



91.1590, -40.8930, -24.3250



55.2500, 2.2920, 2.5160



47.3080, 42.2170, 55.4090

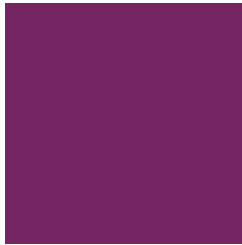


96.8660, 86.7260, 113.3340



# Previews

## White Background



This preview shows how the YIQ color 68.4010, 28.0530, 36.7650 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

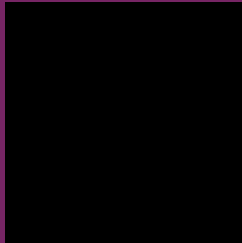
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 68.4010, 28.0530, 36.7650**

## **Background**



This preview shows how black text looks on a background with the YIQ color 68.4010, 28.0530, 36.7650.



This preview shows how white text looks on a background with the YIQ color 68.4010, 28.0530,



# 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

68.4010, 28.0530, 36.7650

### Protanopia

68.1370, -33.5180, 12.7380

### Deuteranopia

71.0560, -11.6010, 6.5030



## Tritanopia

70.1790, 36.5850, 14.2890

# Trichromacy



## Original Color

68.4010, 28.0530, 36.7650

## Protanomaly

68.0260, -10.9160, 21.6280

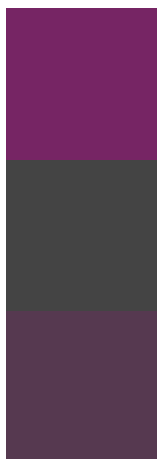
## Deuteranomaly

70.2200, 2.9770, 17.6410

## Tritanomaly

69.4810, 33.0990, 22.4030

# Monochromacy



## Original Color

68.4010, 28.0530, 36.7650

## Achromatopsia

68.0000, -0.0000, 0.0000

## Achromatomaly

68.2930, 9.9010, 13.3010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 68.4010, 28.0530, 36.7650 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(118, 37, 100)` looks like.

```
.text, #text, p{  
    color:rgb(118, 37, 100)  
}
```

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(118, 37, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 37, 100) }
```

## Border

The CSS property to change the border of an element to YIQ 68.4010, 28.0530, 36.7650 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(118, 37, 100) }
```



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

```
.border{ border-color:rgb(118, 37, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 37, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 37, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 37, 100); box-shadow:4px 4px 4px 4px rgb(118, 37, 100) }
```

# Background

The CSS property to change the background color of an element to YIQ 68.4010, 28.0530, 36.7650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 37, 100) }
```

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

```
.background{ background-color: rgb(118, 37,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor