

# Converting Colors

YIQ(66.7300, -52.2660,  
-10.9380)

Have a look what the booklet for  
YIQ(66.7300, -52.2660, -10.9380)  
contains.

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# Color

**YIQ(66.7300, -52.2660,  
-10.9380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0A586A
RGB	10, 88, 106
RGB Percent	4%, 35%, 42%
CMY	0.9609, 0.6548, 0.5845
CMYK	0.91, 0.17, 0.00, 0.58
HSL	191°, 83%, 23%
HSV	191°, 91%, 42%
XYZ	6.2156, 8.0885, 14.8539
YIQ	66.7300, -52.2660, -10.9380

# Conversions

## Conversions Part 2

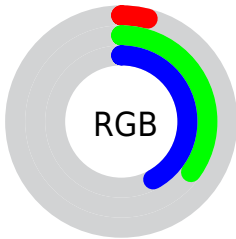
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	10, 53, 106
Decimal	677994
CIE <sub>Lab</sub>	34.17, -14.79, -16.46
CIE <sub>LCh</sub>	34, 22.132, 228.060
Yxy	8.0885, 0.2132, 0.2774
Android (android.graphics.Color)	4278868074 (0xFF0A586A)
YUV	66.7300, 19.3601, -49.7522
Hunter-Lab	28.4403, -10.7594, -11.0580

# Details

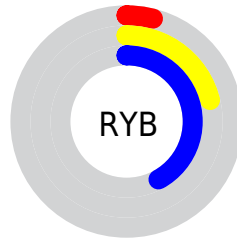
The YIQ color **66.7300, -52.2660, -10.9380** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **49.2700, 52.2660, 10.9380**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **121.3290, -43.6470, -7.4470**, and **31.3800, -30.4890, -3.6170** is the 20% darker color. If you saturate the color by 10%, you get **62.5660, -57.6760, -12.0120**, and if you desaturate by 10%, it is **71.1930, -46.2600, -9.6520**.

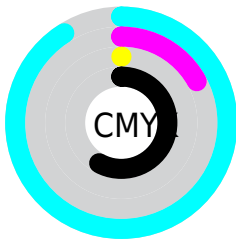
# Distribution



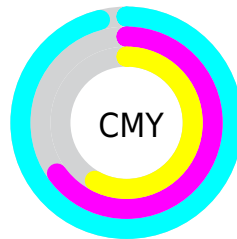
- Red (4%)
- Green (35%)
- Blue (42%)



- Red (4%)
- Yellow (21%)
- Blue (42%)



- Cyan (91%)
- Magenta (17%)
- Yellow (0%)
- Black (58%)



- Cyan (96%)
- Magenta (65%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.7300, -52.2660, -10.9380 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 66.7300, -52.2660, -10.9380 by changing the saturation by 10% instead.



66.7300, -52.2660,  
-10.9380

66.7300, -52.2660,  
-10.9380

255.0000, -0.0000,  
-0.0000

47.5030, -44.1970,  
-8.4930

121.3290,  
-43.6470, -7.4470

31.3800, -30.4890,  
-3.6170

147.7420,  
-43.3720, -6.9240

17.7190, -18.2020,  
-0.5220

175.4430,  
-43.9680, -7.1360

2.2970, -5.0900,  
4.1420

202.8560,  
-43.6930, -6.6130

0.0000, 0.0000,  
0.0000

229.9610,  
-39.7950, -11.1790

242.7410,

-24.4360, -8.6920

251.4120, -7.1520,  
-2.5440

66.7300, -52.2660,  
-10.9380

66.7300, -52.2660,  
-10.9380

62.5660, -57.6760,  
-12.0120

71.1930, -46.2600,  
-9.6520

75.3570, -40.8500,  
-8.5780

79.8200, -34.8440,  
-7.2920

83.9840, -29.4340,  
-6.2180

88.4470, -23.4280,  
-4.9320

■ 92.9100, -17.4220,  
-3.6460

■ 97.0740, -12.0120,  
-2.5720

■ 101.5370, -6.0060,  
-1.2860

■ 105.7010, -0.5960,  
-0.2120

# Harmonies

## Analogous

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



66.7920, -46.8090, -16.2250



66.7300, -52.2660, -10.9380



74.8620, -34.6620, 0.4260

# Triad

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



66.7300, -52.2660, -10.9380



82.2510, 18.8870, 15.6470



78.1840, 10.6850, -11.9310

# Complementary

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



66.7300, -52.2660, -10.9380



49.2700, 52.2660, 10.9380

# 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.



79.7450, 22.4670, -5.1890



66.7300, -52.2660, -10.9380



81.6940, 27.6450, 11.1090

# Square

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



66.7300, -52.2660, -10.9380



82.5250, 3.4360, 14.8280



80.8370, 28.3800, 3.2920



75.6920, -5.5450, -15.1530



# Rectangle

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



66.7300, -52.2660, -10.9380



78.9070, -21.3670, 7.2810



80.8370, 28.3800, 3.2920



78.6900, 15.1320, -9.9240

# Sweetspot

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



66.7300, -52.2660, -10.9380



122.8280, -20.1270, -4.1830



68.4040, -32.1780, -44.6100



60.0740, -12.0120, -2.5720



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



66.7300, -52.2660, -10.9380



81.4760, -75.0980, -15.6580



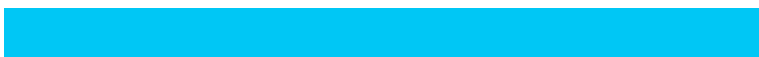
38.5540, -39.0660, 14.1660



51.6190, -3.3010, -0.7490



69.1030, -63.6820, -13.2980



144.7430, -133.3700, -27.8820



# Inverse Universe

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



47.5960, 32.1780, 44.6100



54.0300, 46.2960, 64.0880



77.4460, 39.0660, -14.1660



50.3640, 1.9710, 2.8270



45.8130, 39.2370, 54.3490



95.9410, 82.1410, 113.8290



# Previews

## White Background



This preview shows how the YIQ color 66.7300, -52.2660, -10.9380 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



This preview shows how the YIQ color 66.7300, -52.2660, -10.9380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

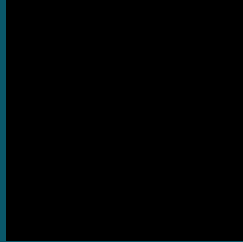
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 66.7300, -52.2660, -10.9380

## Background



This preview shows how black text looks on a background with the YIQ color 66.7300, -52.2660, -10.9380.



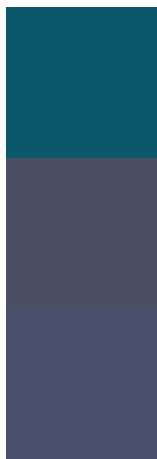
This preview shows how white text looks on a background with the YIQ color 66.7300, -52.2660,

-10.9380.

# 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

66.7300, -52.2660, -10.9380

### Protanopia

80.1980, -9.1250, 5.6830

### Deuteranopia

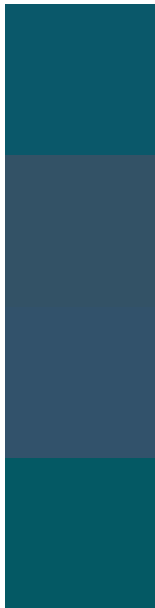
80.5120, -12.8850, 7.7470



## Tritanopia

63.1870, -55.2910, -16.6910

# Trichromacy



## Original Color

66.7300, -52.2660, -10.9380

## Protanomaly

75.0110, -24.8960, -0.3520

## Deuteranomaly

75.2820, -27.0970, 0.9910

## Tritanomaly

64.8390, -54.1910, -14.5990

# Monochromacy



## Original Color

66.7300, -52.2660, -10.9380

## Achromatopsia

67.0000, -0.0000, -0.0000

## Achromatomaly

67.0130, -19.2100, -4.2820

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.7300, -52.2660, -10.9380 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(10, 88, 106)` looks like.

```
.text, #text, p{  
    color:rgb(10, 88, 106)  
}
```

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(10, 88, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 88, 106) }
```

## Border

The CSS property to change the border of an element to YIQ 66.7300, -52.2660, -10.9380 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(10, 88, 106) }
```



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

```
.border{ border-color:rgb(10, 88, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 88, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 88, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 88, 106);  
box-shadow:4px 4px 4px 4px rgb(10, 88,  
106) }
```

# Background

The CSS property to change the background color of an element to YIQ 66.7300, -52.2660, -10.9380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 88, 106) }
```

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

```
.background{ background-color: rgb(10, 88,  
106) }
```

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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