

# Converting Colors

YIQ(69.4450, -64.6450,  
-12.3650)

Have a look what the booklet for  
YIQ(69.4450, -64.6450, -12.3650)  
contains.

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# Color

**YIQ(69.4450, -64.6450,  
-12.3650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	005F78
RGB	0, 95, 120
RGB Percent	0%, 37%, 47%
CMY	0.9999, 0.6273, 0.5297
CMYK	1.00, 0.21, 0.00, 0.53
HSL	192°, 100%, 24%
HSV	192°, 100%, 47%
XYZ	7.4817, 9.5460, 19.1951
YIQ	69.4450, -64.6450, -12.3650

# Conversions

## Conversions Part 2

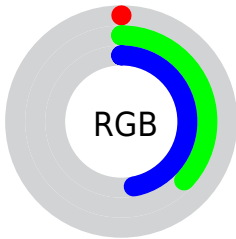
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 53, 120
Decimal	24440
CIELab	37.01, -14.23, -20.74
CIELCh	37, 25.150, 235.547
Yxy	9.5460, 0.2065, 0.2635
Android (android.graphics.Color)	4278214520 (0xFF005F78)
YUV	69.4450, 24.9236, -60.9033
Hunter-Lab	30.8966, -10.8446, -15.2076

# Details

The YIQ color **69.4450, -64.6450, -12.3650** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **50.5550, 64.6450, 12.3650**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **128.0340, -50.0660, -6.7540**, and **36.8570, -36.2660, -3.5460** is the 20% darker color. If you saturate the color by 10%, you get **69.4450, -64.6450, -12.3650**, and if you desaturate by 10%, it is **74.7940, -58.3180, -11.3900**.

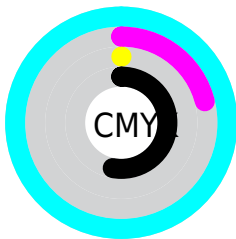
# Distribution



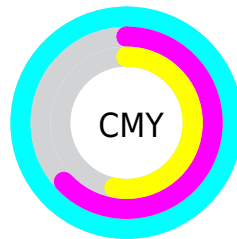
- Red (0%)
- Green (37%)
- Blue (47%)



- Red (0%)
- Yellow (21%)
- Blue (47%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (63%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 69.4450, -64.6450, -12.3650 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 69.4450, -64.6450, -12.3650 by changing the saturation by 10% instead.



69.4450, -64.6450,  
-12.3650

69.4450, -64.6450,  
-12.3650

255.0000, -0.0000,  
-0.0000

52.5070, -50.0200,  
-7.5880

127.7350,  
-50.6620, -6.9660

36.8570, -36.2660,  
-3.5460

154.8600,  
-49.5160, -5.7080

22.6090, -23.7040,  
0.0720

182.8600,  
-49.5160, -5.7080

3.7790, -9.2630,  
8.1850

210.7460,  
-49.1950, -6.0190

0.0000, 0.0000,  
0.0000

234.9670,  
-39.9320, -14.2040

243.6380,

-22.6480, -8.0560

252.6080, -4.7680,  
-1.6960

69.4450, -64.6450,  
-12.3650

74.7940, -58.3180,  
-11.3900

79.5560, -51.7160,  
-9.8920

84.9050, -45.3890,  
-8.9170

89.6670, -38.7870,  
-7.4190

94.4290, -32.1850,  
-5.9210

■ 99.7780, -25.8580,  
-4.9460

■ 104.5400,  
-19.2560, -3.4480

■ 109.8890,  
-12.9290, -2.4730

■ 114.6510, -6.3270,  
-0.9750

# Harmonies

## Analogous

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



69.3820, -60.3340, -18.9100



69.4450, -64.6450, -12.3650



82.5570, -35.1210, 3.2390

# Triad

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



69.4450, -64.6450, -12.3650



89.1270, 25.1680, 17.4560



83.6350, 7.7970, -14.6590

# Complementary

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



69.4450, -64.6450, -12.3650



50.5550, 64.6450, 12.3650

# 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.



85.9360, 23.2470, -8.3130



69.4450, -64.6450, -12.3650



88.0320, 32.5050, 11.1370

# Square

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



69.4450, -64.6450, -12.3650



90.0420, 9.3500, 17.7820



87.2240, 31.5440, 1.0160



80.5880, -11.1840, -17.5840



# Rectangle

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



69.4450, -64.6450, -12.3650



86.3850, -19.7170, 10.4190



87.2240, 31.5440, 1.0160



84.5110, 14.0780, -12.8500

# Sweetspot

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



69.4450, -64.6450, -12.3650



136.0770, -25.2620, -4.7340



73.1760, -40.7040, -55.2960



67.1060, -15.0380, -2.7980



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



69.4450, -64.6450, -12.3650



89.9850, -83.9010, -15.8130



34.8120, -48.4200, 18.4920



58.6190, -3.3010, -0.7490



72.3630, -67.3500, -12.9020



146.1280, -135.8920, -26.2280



# Inverse Universe

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



46.7100, 41.0250, 54.9850



60.6660, 53.4930, 71.3250



85.1880, 48.4200, -18.4920



57.3640, 1.9710, 2.8270



48.6610, 42.7210, 57.2890



98.1480, 85.9920, 115.6240



# Previews

## White Background



This preview shows how the YIQ color 69.4450, -64.6450, -12.3650 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 69.4450, -64.6450, -12.3650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

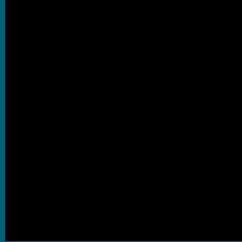
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 69.4450, -64.6450, -12.3650

## Background



This preview shows how black text looks on a background with the YIQ color 69.4450, -64.6450, -12.3650.



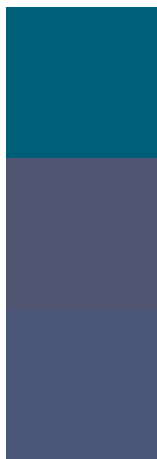
This preview shows how white text looks on a background with the YIQ color 69.4450, -64.6450,

-12.3650.

# 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

69.4450, -64.6450, -12.3650

### Protanopia

87.2840, -12.2430, 7.1250

### Deuteranopia

86.8150, -18.1120, 8.8640



## Tritanopia

68.7950, -60.0590, -18.3870

# Trichromacy



## Original Color

69.4450, -64.6450, -12.3650

## Protanomaly

80.7160, -31.3150, 0.3410

## Deuteranomaly

80.3890, -34.7080, 1.2600

## Tritanomaly

68.8920, -61.7100, -15.9980

# Monochromacy



## Original Color

69.4450, -64.6450, -12.3650

## Achromatopsia

69.0000, -0.0000, -0.0000

## Achromatomaly

68.9740, -23.4740, -4.0980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 69.4450, -64.6450, -12.3650 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(0, 95, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 95, 120)  
}
```

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(0, 95, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 95, 120) }
```

## Border

The CSS property to change the border of an element to YIQ 69.4450, -64.6450, -12.3650 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(0, 95, 120) }
```



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

```
.border{ border-color:rgb(0, 95, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 95, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 95, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 95, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 95, 120)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 69.4450, -64.6450, -12.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 95, 120) }
```

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

```
.background{ background-color: rgb(0, 95,  
120) }
```

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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