

# Converting Colors

YIQ(53.6990, -49.8400, 11.1840)

Have a look what the booklet for  
YIQ(53.6990, -49.8400, 11.1840)  
contains.

<b>YIQ(53.6990, -49.8400, 11.1840)</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(53.6990, -49.8400,  
11.1840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0D3C80
RGB	13, 60, 128
RGB Percent	5%, 24%, 50%
CMY	0.9490, 0.7646, 0.4983
CMYK	0.90, 0.53, 0.00, 0.50
HSL	215°, 82%, 28%
HSV	215°, 90%, 50%
XYZ	5.6747, 4.8761, 21.0421
YIQ	53.6990, -49.8400, 11.1840

# Conversions

## Conversions Part 2

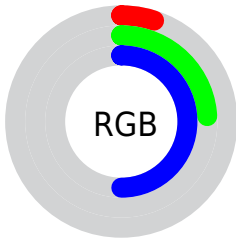
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	13, 46, 128
Decimal	867456
CIE <sub>Lab</sub>	26.38, 12.75, -42.56
CIE <sub>LCh</sub>	26, 44.434, 286.681
Yxy	4.8761, 0.1796, 0.1543
Android (android.graphics.Color)	4279057536 (0xFF0D3C80)
YUV	53.6990, 36.6304, -35.6930
Hunter-Lab	22.0818, 7.2286, -41.0411

# Details

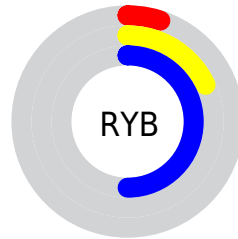
The YIQ color  $[53.6990, -49.8400, 11.1840]$  is a dark color, and the websafe version is hex  $003366$ . A complement of this color would be  $[87.3010, 49.8400, -11.1840]$ , and the grayscale version is  $[53.0000, -0.0000, -0.0000]$ .

A 20% lighter version of the original color is  $[107.6620, -39.2500, 17.5020]$ , and  $[20.0450, -30.2630, 14.3210]$  is the 20% darker color. If you saturate the color by 10%, you get  $[45.1160, -55.3880, 12.6120]$ , and if you desaturate by 10%, it is  $[62.2820, -44.2920, 9.7560]$ .

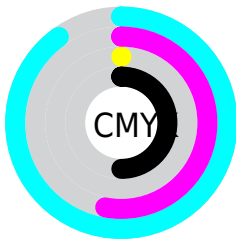
# Distribution



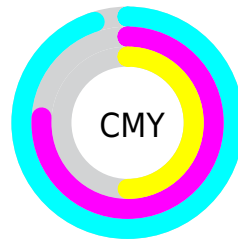
- Red (5%)
- Green (24%)
- Blue (50%)



- Red (5%)
- Yellow (18%)
- Blue (50%)



- Cyan (90%)
- Magenta (53%)
- Yellow (0%)
- Black (50%)



- Cyan (95%)
- Magenta (76%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 53.6990, -49.8400, 11.1840 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 53.6990, -49.8400, 11.1840 by changing the saturation by 10% instead.



■ 53.6990, -49.8400,  
11.1840

■ 53.6990, -49.8400,  
11.1840

■ 255.0000, -0.0000,  
-0.0000

■ 34.5210, -43.4670,  
11.3250

■ 107.6620,  
-39.2500, 17.5020

■ 20.0450, -30.2630,  
14.3210

■ 133.9010,  
-38.4250, 19.0710

■ 9.2050, -19.0300,  
14.4900

■ 160.8410,  
-38.1960, 20.4280

■ 4.8220, -10.8220,  
8.9060

■ 187.0000,  
-34.3900, 17.5300

■ 0.4560, -1.2840,  
1.2440

■ 211.2210,  
-25.1270, 9.3450

■ 0.0000, 0.0000,  
0.0000

■ 236.6270,

-14.9470, 1.0610

254.1030, -1.7880,  
-0.6360

■ 53.6990, -49.8400,  
11.1840

■ 53.6990, -49.8400,  
11.1840

■ 45.1160, -55.3880,  
12.6120

■ 62.2820, -44.2920,  
9.7560

■ 70.2780, -38.4690,  
8.8510

■ 78.5620, -33.5170,  
7.2110

■ 86.5580, -27.6940,  
6.3060

■ 95.1410, -22.1460,  
4.8780

■ 103.1370,  
-16.3230, 3.9730

■ 111.7200,  
-10.7750, 2.5450

■ 119.4170, -5.5480,  
1.4280

■ 128.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



56.3830, -60.9340, 2.9860



53.6990, -49.8400, 11.1840



63.6800, 5.0380, 29.8540

# Triad

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



53.6990, -49.8400, 11.1840



57.5640, 51.2580, 7.1780



49.8560, -35.6660, -25.4420

# Complementary

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



53.6990, -49.8400, 11.1840



87.3010, 49.8400, -11.1840

# 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.



47.4650, -15.8120, -32.8360



53.6990, -49.8400, 11.1840



59.1950, 38.5150, -9.6850

# Square

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



53.6990, -49.8400, 11.1840



54.8100, 51.3460, 27.6180



57.2690, 17.3350, -22.3210



54.4330, -47.1760, -15.0800



# Rectangle

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



53.6990, -49.8400, 11.1840



60.7490, 26.9530, 34.6730



57.2690, 17.3350, -22.3210



48.4880, -31.8140, -29.1740

# Sweetspot

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



53.6990, -49.8400, 11.1840



136.6960, -19.3950, 4.5810



88.1430, -53.1320, -39.3080



66.5350, -11.6920, 2.6440



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



53.6990, -49.8400, 11.1840



58.8400, -71.9860, 16.0620



29.1000, -30.9550, 37.8850



59.5590, -3.0720, 0.6080



45.1160, -55.3880, 12.6120



0.0000, 0.0000, 0.0000



# Inverse Universe

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



52.7430, 53.4530, 38.9970



57.3860, 77.1080, 56.3400



111.9000, 30.9550, -37.8850



59.4350, 3.2090, 2.4170



44.2000, 59.5960, 43.3080



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 53.6990, -49.8400, 11.1840 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 53.6990, -49.8400, 11.1840 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 53.6990, -49.8400, 11.1840

## Background



This preview shows how black text looks on a background with the YIQ color 53.6990, -49.8400, 11.1840.



This preview shows how white text looks on a background with the YIQ color 53.6990, -49.8400,



# 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

53.6990, -49.8400, 11.1840

### Protanopia

51.3070, -54.6080, 9.4880

### Deuteranopia

50.2220, -53.2310, 1.0490



## Tritanopia

49.5260, -43.0040, -13.5960

# Trichromacy



## Original Color

53.6990, -49.8400, 11.1840

## Protanomaly

52.2040, -52.8200, 10.1240

## Deuteranomaly

51.8140, -51.9020, 4.4980

## Tritanomaly

50.9530, -45.3440, -4.2240

# Monochromacy



## Original Color

53.6990, -49.8400, 11.1840

## Achromatopsia

54.0000, -0.0000, 0.0000

## Achromatomaly

53.7670, -18.1570, 4.1710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 53.6990, -49.8400, 11.1840 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(13, 60, 128)` looks like.

```
.text, #text, p{  
    color:rgb(13, 60, 128)  
}
```

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(13, 60, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 60, 128) }
```

## Border

The CSS property to change the border of an element to YIQ 53.6990, -49.8400, 11.1840 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(13, 60, 128) }
```



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

```
.border{ border-color:rgb(13, 60, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 60, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 60, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 60, 128);  
box-shadow:4px 4px 4px 4px rgb(13, 60,  
128) }
```

# Background

The CSS property to change the background color of an element to YIQ 53.6990, -49.8400, 11.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 60, 128) }
```

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

```
.background{ background-color: rgb(13, 60,  
128) }
```

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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