

# Converting Colors

YIQ(35.5830, -54.0640, 43.6960)

Have a look what the booklet for  
YIQ(35.5830, -54.0640, 43.6960)  
contains.

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# Color

**YIQ(35.5830, -54.0640,  
43.6960)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0B16AA
RGB	11, 22, 170
RGB Percent	4%, 9%, 67%
CMY	0.9567, 0.9137, 0.3337
CMYK	0.93, 0.87, 0.00, 0.33
HSL	236°, 88%, 35%
HSV	236°, 93%, 67%
XYZ	7.6730, 3.5444, 38.2683
YIQ	35.5830, -54.0640, 43.6960

# Conversions

## Conversions Part 2

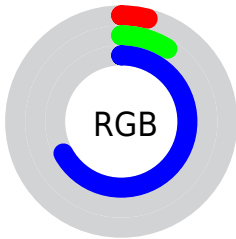
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	11, 21, 170
Decimal	726698
CIE <sub>Lab</sub>	22.10, 51.85, -75.45
CIE <sub>LCh</sub>	22, 91.547, 304.501
Yxy	3.5444, 0.1551, 0.0716
Android (android.graphics.Color)	4278916778 (0xFF0B16AA)
YUV	35.5830, 66.2676, -21.5593
Hunter-Lab	18.8265, 39.8037, -107.3391

# Details

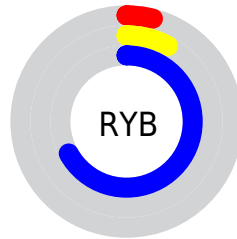
The YIQ color **35.5830, -54.0640, 43.6960** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **145.4170, 54.0640, -43.6960**, and the grayscale version is **35.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.5580, -34.5800, 54.0280**, and **13.2240, -37.2360, 36.0760** is the 20% darker color. If you saturate the color by 10%, you get **26.4240, -57.8700, 46.5940**, and if you desaturate by 10%, it is **50.0580, -48.3320, 38.9320**.

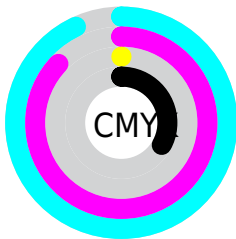
# Distribution



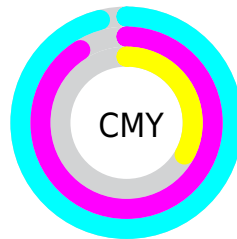
- Red (4%)
- Green (9%)
- Blue (67%)



- Red (4%)
- Yellow (8%)
- Blue (67%)



- Cyan (93%)
- Magenta (87%)
- Yellow (0%)
- Black (33%)



- Cyan (96%)
- Magenta (91%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 35.5830, -54.0640, 43.6960 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 35.5830, -54.0640, 43.6960 by changing the saturation by 10% instead.



■ 35.5830, -54.0640,  
43.6960

■ 35.5830, -54.0640,  
43.6960

■ 255.0000, -0.0000,  
-0.0000

■ 16.3020, -45.9030,  
44.4730

■ 96.5580, -34.5800,  
54.0280

■ 13.2240, -37.2360,  
36.0760

■ 123.6940,  
-31.9670, 56.2330

■ 10.2600, -28.8900,  
27.9900

■ 148.2250,  
-20.6410, 49.2070

■ 11.6330, -23.1110,  
16.8650

■ 172.4570, -9.9110,  
41.9690

■ 6.6630, -14.6280,  
11.8040

■ 197.5750, 1.1400,  
34.4200


■ 2.9810, -7.0160,  
6.0080


■ 222.9810, 11.3200,


■ 0.0000, 0.0000,


26.1360


0.0000


 240.9120, 6.6000,  
12.5520


 35.5830, -54.0640,  
43.6960


 35.5830, -54.0640,  
43.6960


 26.4240, -57.8700,  
46.5940

 50.0580, -48.3320,  
38.9320

 64.5330, -42.6000,  
34.1680

 78.4210, -36.5930,  
29.9270

 92.8960, -30.8610,  
25.1630

 107.3710,  
-25.1290, 20.3990

■ 121.8460,  
-19.3970, 15.6350

■ 136.3210,  
-13.6650, 10.8710

■ 150.7960, -7.9330,  
6.1070

■ 164.6840, -1.9260,  
1.8660

# Harmonies

## Analogous

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



59.9120, -80.5160, 27.4840



35.5830, -54.0640, 43.6960



52.9480, 43.5910, 63.5510

# Triad

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



35.5830, -54.0640, 43.6960



40.8090, 61.1140, 15.7860



50.5060, -40.2520, -19.4200

# Complementary

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



35.5830, -54.0640, 43.6960



145.4170, 54.0640, -43.6960

# 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.



41.6770, -19.5250, -37.1330



35.5830, -54.0640, 43.6960



49.3280, 18.8470, -16.6810

# Square

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



35.5830, -54.0640, 43.6960



43.3550, 86.4200, 30.7400



39.3290, -18.4250, -35.0410



58.9590, -62.6760, 1.5160



# Rectangle

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



35.5830, -54.0640, 43.6960



54.2110, 70.2310, 54.3190



39.3290, -18.4250, -35.0410



47.1830, -32.2730, -26.3610

# Sweetspot

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



35.5830, -54.0640, 43.6960



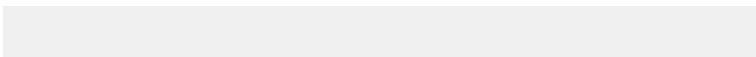
169.4160, -21.0020, 17.1900



120.9770, -90.5910, -37.7510



80.0930, -13.0230, 10.2490



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



35.5830, -54.0640, 43.6960



34.1130, -75.3870, 61.1970



48.8600, -11.7030, 63.4410



76.9120, -2.5680, 2.4880



22.7420, -50.2580, 40.7980



2.8670, -6.6950, 5.6970



# Inverse Universe

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



59.7950, 91.2330, 37.1290



68.0880, 127.4970, 51.7290



132.1400, 11.7030, -63.4410



78.3920, 4.7680, 1.6960



45.3920, 84.9980, 34.4860

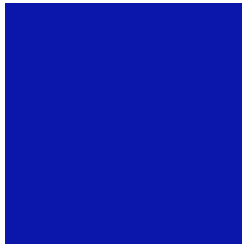


6.0940, 11.5990, 4.5510



# Previews

## White Background



This preview shows how the YIQ color 35.5830, -54.0640, 43.6960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

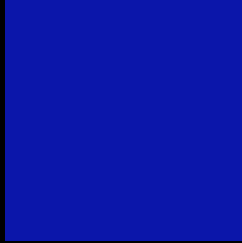
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 35.5830, -54.0640, 43.6960 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 35.5830, -54.0640, 43.6960**

## **Background**



This preview shows how black text looks on a background with the YIQ color 35.5830, -54.0640, 43.6960.



This preview shows how white text looks on a background with the YIQ color 35.5830, -54.0640,



# 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

35.5830, -54.0640, 43.6960

### Protanopia

42.9500, -49.2890, 6.7030

### Deuteranopia

43.4740, -45.2530, -0.3650



## Tritanopia

42.4020, -36.7230, -11.7870

# Trichromacy



## Original Color

35.5830, -54.0640, 43.6960

## Protanomaly

40.1970, -50.9420, 20.1460

## Deuteranomaly

40.8180, -48.5570, 15.4670

## Tritanomaly

39.8260, -43.0080, 8.5120

# Monochromacy



## Original Color

35.5830, -54.0640, 43.6960

## Achromatopsia

36.0000, -0.0000, 0.0000

## Achromatomaly

35.9600, -19.7180, 15.9460

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 35.5830, -54.0640, 43.6960 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(11, 22, 170)` looks like.

```
.text, #text, p{  
    color:rgb(11, 22, 170)  
}
```

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(11, 22, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 22, 170) }
```

## Border

The CSS property to change the border of an element to YIQ 35.5830, -54.0640, 43.6960 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(11, 22, 170) }
```



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

```
.border{ border-color:rgb(11, 22, 170) }
```

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

Here you see how a box with a 4 pixel rgb(11, 22, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 22, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 22, 170);  
box-shadow:4px 4px 4px 4px rgb(11, 22,  
170) }
```

# Background

The CSS property to change the background color of an element to YIQ 35.5830, -54.0640, 43.6960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 22, 170) }
```

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

```
.background{ background-color: rgb(11, 22,  
170) }
```

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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