

# Converting Colors

YIQ(55.0210, -31.9970,  
-31.3650)

Have a look what the booklet for  
YIQ(55.0210, -31.9970, -31.3650)  
contains.

<b>YIQ(55.0210, -31.9970, -31.3650)</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(55.0210, -31.9970,  
-31.3650)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	055425
RGB	5, 84, 37
RGB Percent	2%, 33%, 15%
CMY	0.9806, 0.6705, 0.8550
CMYK	0.94, 0.00, 0.56, 0.67
HSL	144°, 89%, 17%
HSV	144°, 94%, 33%
XYZ	3.5684, 6.5111, 2.8171
YIQ	55.0210, -31.9970, -31.3650

# Conversions

## Conversions Part 2

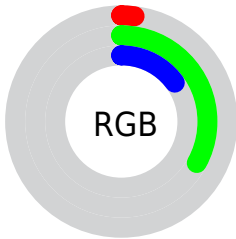
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	5, 61, 84
Decimal	349221
CIE <sub>Lab</sub>	30.67, -33.73, 21.31
CIE <sub>LCh</sub>	31, 39.895, 147.718
Yxy	6.5111, 0.2767, 0.5049
Android (android.graphics.Color)	4278539301 (0xFF055425)
YUV	55.0210, -8.8844, -43.8684
Hunter-Lab	25.5169, -19.6926, 11.3162

# Details

The YIQ color **55.0210, -31.9970, -31.3650** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **33.9790, 31.9970, 31.3650**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **108.4410, -24.4320, -30.8000**, and **22.8930, -10.7250, -20.3970** is the 20% darker color. If you saturate the color by 10%, you get **53.1840, -34.0140, -33.3580**, and if you desaturate by 10%, it is **57.9830, -28.8340, -28.1140**.

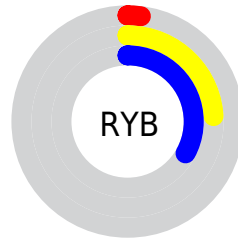
# Distribution



Red (2%)

Green (33%)

Blue (15%)



Red (2%)

Yellow (24%)

Blue (33%)

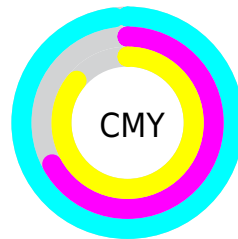


Cyan (94%)

Magenta (0%)

Yellow (56%)

Black (67%)



Cyan (98%)

Magenta (67%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 55.0210, -31.9970, -31.3650 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 55.0210, -31.9970, -31.3650 by changing the saturation by 10% instead.



■ 55.0210, -31.9970,  
-31.3650

■ 55.0210, -31.9970,  
-31.3650

■ 255.0000, -0.0000,  
-0.0000

■ 36.9300, -21.3150,  
-26.7150

■ 108.4410,  
-24.4320, -30.8000

■ 22.8930, -10.7250,  
-20.3970

■ 134.2130,  
-23.7900, -31.4220

■ 2.9350, -1.3750,  
-2.6150

■ 161.0990,  
-23.4690, -31.7330


■ 0.0000, 0.0000,  
0.0000


■ 188.5720,  
-23.4230, -32.5670


■ 216.7460,  
-23.9730, -33.6130


■ 234.1800,


-19.0230, -24.1990


 246.1570,  
-11.0480, -9.0320


 55.0210, -31.9970,  
-31.3650


 55.0210, -31.9970,  
-31.3650


 53.1840, -34.0140,  
-33.3580

 57.9830, -28.8340,  
-28.1140

 61.2440, -25.0750,  
-24.6510

 64.2060, -21.9120,  
-21.4000

 67.4670, -18.1530,  
-17.9370

 70.4290, -14.9900,  
-14.6860

■ 73.3910, -11.8270,  
-11.4350

■ 76.6520, -8.0680,  
-7.9720

■ 79.6140, -4.9050,  
-4.7210

■ 82.8750, -1.1460,  
-1.2580

# Harmonies

## Analogous

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



64.9260, 10.8710, -26.3210



55.0210, -31.9970, -31.3650



58.3480, -45.7990, -23.5190

# Triad

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



55.0210, -31.9970, -31.3650



60.5890, -64.5100, 1.7140



69.2190, 48.2760, 17.1720

# Complementary

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



55.0210, -31.9970, -31.3650



33.9790, 31.9970, 31.3650

# 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.



70.4050, 39.4250, 28.9050



55.0210, -31.9970, -31.3650



72.7800, -19.0310, 20.0170

# Square

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



55.0210, -31.9970, -31.3650



63.5580, -63.2250, -5.0570



74.0140, 15.7210, 28.9770



69.2980, 45.8950, -0.2570



# Rectangle

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



55.0210, -31.9970, -31.3650



61.3290, -52.8150, -17.5110



74.0140, 15.7210, 28.9770



69.1960, 47.0830, 22.2750

# Sweetspot

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



55.0210, -31.9970, -31.3650



98.5650, -12.3770, -12.4810



65.4260, 6.2870, -31.3530



49.0650, -7.7930, -7.4490



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



55.0210, -31.9970, -31.3650



69.5860, -44.3740, -43.8460



59.4670, -44.5160, -19.2360



39.4620, -1.4210, -1.7810



66.4230, -42.3570, -41.8530



146.9000, -93.9740, -92.1020



# Inverse Universe

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



33.9790, 31.9970, 31.3650



40.3000, 44.6950, 43.5350



29.5330, 44.5160, 19.2360



38.4240, 1.7420, 1.4700



38.4630, 42.6780, 41.5420



85.1000, 93.9740, 92.1020



# Previews

## White Background



This preview shows how the YIQ color 55.0210, -31.9970, -31.3650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

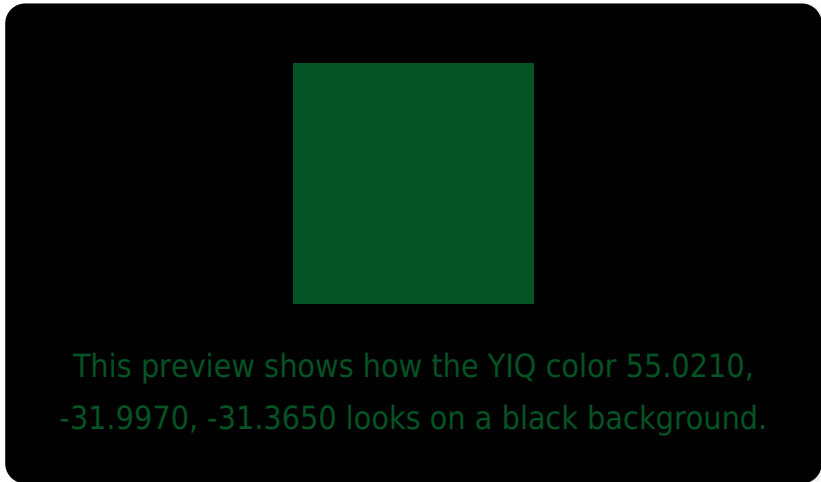
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## 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 55.0210, -31.9970, -31.3650

## Background



This preview shows how black text looks on a background with the YIQ color 55.0210, -31.9970, -31.3650.



This preview shows how white text looks on a background with the YIQ color 55.0210, -31.9970,

-31.3650.

# 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

55.0210, -31.9970, -31.3650

### Protanopia

69.9460, 17.2870, -10.4330

### Deuteranopia

71.4890, 20.3120, -4.6800



## Tritanopia

65.9300, -29.3420, -7.8860

# Trichromacy



## Original Color

55.0210, -31.9970, -31.3650

## Protanomaly

64.3350, -0.2260, -17.9380

## Deuteranomaly

65.3400, 1.3780, -13.9660

## Tritanomaly

62.1760, -30.3950, -16.3390

# Monochromacy



## Original Color

55.0210, -31.9970, -31.3650

## Achromatopsia

55.0000, 0.0000, 0.0000

## Achromatomaly

55.2770, -11.5060, -11.7460

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 55.0210, -31.9970, -31.3650 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(5, 84, 37)` looks like.

```
.text, #text, p{  
    color:rgb(5, 84, 37)  
}
```

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(5, 84, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 84, 37) }
```

## Border

The CSS property to change the border of an element to YIQ 55.0210, -31.9970, -31.3650 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(5, 84, 37) }
```



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

```
.border{ border-color:rgb(5, 84, 37) }
```

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

Here you see how a box with a 4 pixel rgb(5, 84, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 84, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 84, 37); box-shadow:4px  
4px 4px 4px rgb(5, 84, 37) }
```

# Background

The CSS property to change the background color of an element to YIQ 55.0210, -31.9970, -31.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 84, 37) }
```

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

```
.background{ background-color: rgb(5, 84,  
37) }
```

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