

# Converting Colors

YIQ(53.4370, 16.9220, -20.3420)

Have a look what the booklet for  
YIQ(53.4370, 16.9220, -20.3420)  
contains.

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# Color

**YIQ(53.4370, 16.9220,  
-20.3420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	393E00
RGB	57, 62, 0
RGB Percent	22%, 24%, 0%
CMY	0.7765, 0.7568, 0.9999
CMYK	0.08, 0.00, 1.00, 0.76
HSL	65°, 100%, 12%
HSV	65°, 100%, 24%
XYZ	3.4095, 4.3150, 0.6540
YIQ	53.4370, 16.9220, -20.3420

# Conversions

## Conversions Part 2

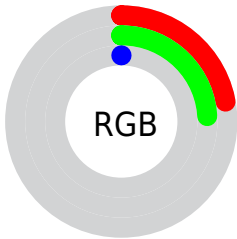
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	0, 62, 5
Decimal	3751424
CIE <sub>Lab</sub>	24.69, -10.47, 33.21
CIE <sub>LCh</sub>	25, 34.821, 107.504
Yxy	4.3150, 0.4069, 0.5150
Android (android.graphics.Color)	4281941504 (0xFF393E00)
YUV	53.4370, -26.3444, 3.1248
Hunter-Lab	20.7726, -7.0540, 12.6741

# Details

The YIQ color **53.4370, 16.9220, -20.3420** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8.5630, -16.9220, 20.3420**, and the grayscale version is **54.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **101.1490, 17.7930, -19.6070**, and **12.3270, -5.7750, -10.9830** is the 20% darker color. If you saturate the color by 10%, you get **53.4370, 16.9220, -20.3420**, and if you desaturate by 10%, it is **54.1210, 14.9960, -18.4760**.

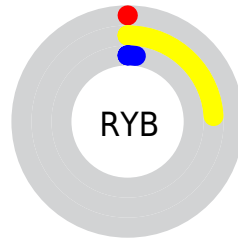
# Distribution



Red (22%)

Green (24%)

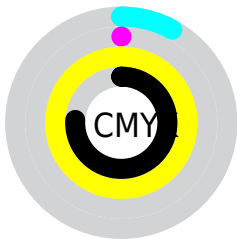
Blue (0%)



Red (0%)

Yellow (24%)

Blue (2%)

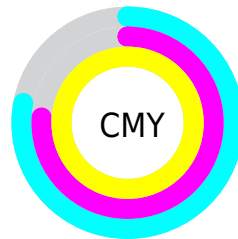


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (76%)



Cyan (78%)

Magenta (76%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 53.4370, 16.9220, -20.3420 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 53.4370, 16.9220, -20.3420 by changing the saturation by 10% instead.





 53.4370, 16.9220,  
-20.3420


 53.4370, 16.9220,  
-20.3420

 252.2640, 7.7040,  
-7.4640


 33.6460, 9.2640,  
-13.7120


 101.1490, 17.7930,  
-19.6070


 12.3270, -5.7750,  
-10.9830

 126.9210, 18.4350,  
-20.2290

 0.0000, 0.0000,  
0.0000


 153.1060, 19.3520,  
-20.3280


 180.1770, 20.5900,  
-20.7380


 207.3620, 21.5070,  
-20.8370


 236.1340, 22.1490,


-21.4590


 249.0720, 16.6920,  
-16.1720


 53.4370, 16.9220,  
-20.3420

 54.1210, 14.9960,  
-18.4760

 55.1040, 13.6660,  
-16.3980

 55.9020, 11.4190,  
-14.2210

 56.8850, 10.0890,  
-12.1430

 57.5690, 8.1630,  
-10.2770

■ 58.5520, 6.8330,  
-8.1990

■ 59.5350, 5.5030,  
-6.1210

■ 60.3330, 3.2560,  
-3.9440

■ 61.3160, 1.9260,  
-1.8660

# Harmonies

## Analogous

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



55.3300, 33.7010, -10.5470



53.4370, 16.9220, -20.3420



49.0840, -9.9450, -23.5210

# Triad

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



53.4370, 16.9220, -20.3420



51.5610, -50.1120, -5.9200



57.9520, 27.4590, 25.4990

# Complementary

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



53.4370, 16.9220, -20.3420



8.5630, -16.9220, 20.3420

# 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.



60.7520, 4.5350, 22.4470



53.4370, 16.9220, -20.3420



50.6950, -53.1850, 0.2150

# Square

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



53.4370, 16.9220, -20.3420



50.1130, -43.2790, -14.1190



55.7630, -29.5290, 12.0310



56.0810, 39.9770, 18.8970



# Rectangle

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



53.4370, 16.9220, -20.3420



44.7210, -30.8520, -24.5800



55.7630, -29.5290, 12.0310



59.1300, 21.0860, 25.3580

# Sweetspot

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



53.4370, 16.9220, -20.3420



78.5520, 6.8330, -8.1990



20.8860, 35.8520, 11.0520



38.9910, 4.2190, -4.8770



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000



# Same Dimension

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



53.4370, 16.9220, -20.3420



70.5590, 22.1500, -26.9860



44.4670, -0.9580, -26.7020



30.3590, 0.3670, -1.1450



81.1910, 26.0020, -30.7180



191.3100, 60.5340, -72.8580



# Inverse Universe

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



8.5630, -16.9220, 20.3420



11.4410, -22.1500, 26.9860



17.5330, 0.9580, 26.7020



28.3420, -0.9630, 0.9330



13.1080, -25.4060, 30.9300



30.6900, -60.5340, 72.8580



# Previews

## White Background



This preview shows how the YIQ color 53.4370, 16.9220, -20.3420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

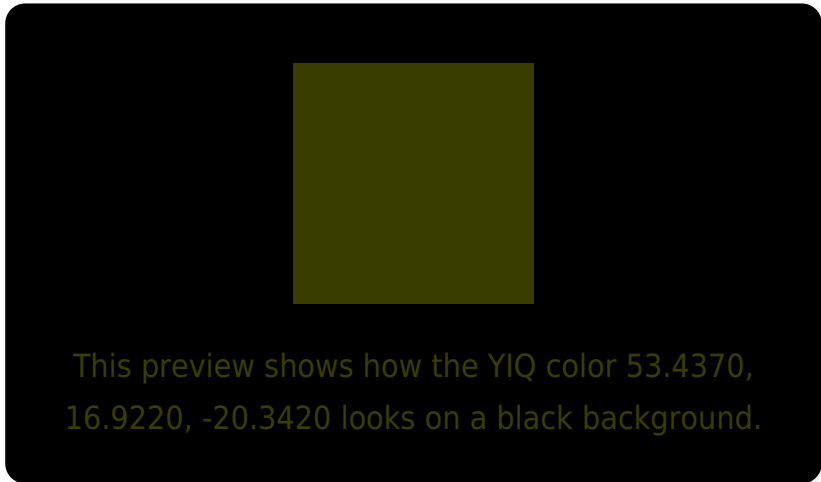
Any Text WCAG AA ✓ Pass

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

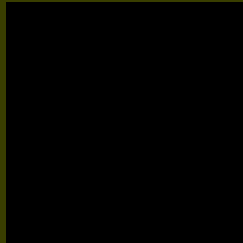
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 53.4370, 16.9220, -20.3420

## Background



This preview shows how black text looks on a background with the YIQ color 53.4370, 16.9220, -20.3420.



This preview shows how white text looks on a background with the YIQ color 53.4370, 16.9220,

-20.3420.

# 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

53.4370, 16.9220, -20.3420

### Protanopia

54.3670, 23.1110, -16.8650

### Deuteranopia

56.1380, 25.4940, -10.4900



## Tritanopia

59.3530, 0.5040, 1.8800

# Trichromacy



## Original Color

53.4370, 16.9220, -20.3420

## Protanomaly

54.0570, 21.0480, -18.0240

## Deuteranomaly

55.0620, 22.6520, -14.0520

## Tritanomaly

57.0190, 7.0160, -6.0080

# Monochromacy



## Original Color

53.4370, 16.9220, -20.3420

## Achromatopsia

53.0000, -0.0000, -0.0000

## Achromatomaly

52.8940, 5.8700, -7.2660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 53.4370, 16.9220, -20.3420 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(57, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 62, 0)  
}
```

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(57, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 62, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 53.4370, 16.9220, -20.3420 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(57, 62, 0) }
```



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

```
.border{ border-color:rgb(57, 62, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 62, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 62, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(57, 62, 0); box-shadow:4px  
4px 4px 4px rgb(57, 62, 0) }
```

# Background

The CSS property to change the background color of an element to YIQ 53.4370, 16.9220, -20.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 62, 0) }
```

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

```
.background{ background-color: rgb(57, 62,  
0) }
```

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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