

# Converting Colors

YIQ(58.8370, -16.3190,  
-18.1350)

Have a look what the booklet for  
YIQ(58.8370, -16.3190, -18.1350)  
contains.

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# Color

**YIQ(58.8370, -16.3190,  
-18.1350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	204B2E
RGB	32, 75, 46
RGB Percent	13%, 29%, 18%
CMY	0.8746, 0.7058, 0.8196
CMYK	0.57, 0.00, 0.39, 0.71
HSL	140°, 40%, 21%
HSV	140°, 57%, 29%
XYZ	3.6049, 5.5384, 3.4627
YIQ	58.8370, -16.3190, -18.1350

# Conversions

## Conversions Part 2

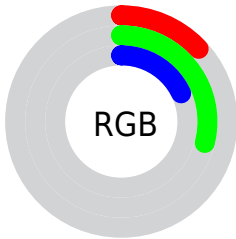
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 64, 75
Decimal	2116398
CIE <sub>Lab</sub>	28.22, -22.60, 12.87
CIE <sub>LCh</sub>	28, 26.005, 150.334
Yxy	5.5384, 0.2860, 0.4393
Android (android.graphics.Color)	4280306478 (0xFF204B2E)
YUV	58.8370, -6.3286, -23.5360
Hunter-Lab	23.5337, -13.8410, 7.7499

# Details

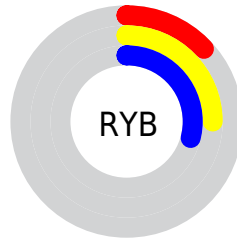
The YIQ color **58.8370, -16.3190, -18.1350** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **48.1630, 16.3190, 18.1350**, and the grayscale version is **59.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **107.1960, -15.9520, -19.2800**, and **18.1970, -8.5250, -16.2130** is the 20% darker color. If you saturate the color by 10%, you get **55.8750, -19.4820, -21.3860**, and if you desaturate by 10%, it is **61.5000, -13.7520, -15.0960**.

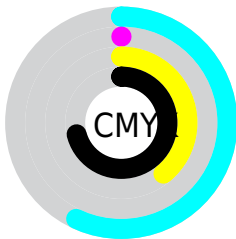
# Distribution



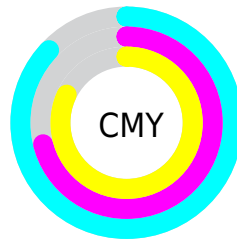
- Red (13%)
- Green (29%)
- Blue (18%)



- Red (13%)
- Yellow (25%)
- Blue (29%)



- Cyan (57%)
- Magenta (0%)
- Yellow (39%)
- Black (71%)



- Cyan (87%)
- Magenta (71%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 58.8370, -16.3190, -18.1350 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 58.8370, -16.3190, -18.1350 by changing the saturation by 10% instead.



■ 58.8370, -16.3190,  
-18.1350

■ 58.8370, -16.3190,  
-18.1350

■ 255.0000, -0.0000,  
-0.0000

■ 35.1680, -18.7490,  
-18.1490

■ 107.1960,  
-15.9520, -19.2800

■ 18.7840, -8.8000,  
-16.7360

■ 132.7830,  
-16.2270, -19.8030

■ 0.0000, 0.0000,  
0.0000

■ 159.2560,  
-16.1810, -20.6370

■ 186.5440,  
-17.0520, -21.3720

■ 214.4300,  
-16.7310, -21.6830

■ 238.9080,

-15.0810, -18.5450

250.5860, -7.7020,  
-3.5900

58.8370, -16.3190,  
-18.1350

58.8370, -16.3190,  
-18.1350

55.8750, -19.4820,  
-21.3860

61.5000, -13.7520,  
-15.0960

53.2120, -22.0490,  
-24.4250

64.4620, -10.5890,  
-11.8450

50.2500, -25.2120,  
-27.6760

67.1250, -8.0220,  
-8.8060

47.5870, -27.7790,  
-30.7150

70.0870, -4.8590,  
-5.5550

46.7610, -28.3290,  
-31.7610

72.7500, -2.2920,  
-2.5160

■ 75.7120, 0.8710,  
0.7350

■ 78.3750, 3.4380,  
3.7740

■ 81.3370, 6.6010,  
7.0250

■ 84.1140, 8.8470,  
10.3750

# Harmonies

## Analogous

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



62.5530, 5.0920, -15.1960



58.8370, -16.3190, -18.1350



52.7230, -42.3610, -19.7450

# Triad

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



58.8370, -16.3190, -18.1350



61.5570, -35.1210, 3.2390



66.6790, 32.0010, 9.2570

# Complementary

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



58.8370, -16.3190, -18.1350



48.1630, 16.3190, 18.1350

# 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.



67.7850, 26.1310, 16.5230



58.8370, -16.3190, -18.1350



67.6530, -8.6680, 13.9240

# Square

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



58.8370, -16.3190, -18.1350



54.9520, -52.7710, -7.2910



68.8250, 11.4590, 18.1070



65.8000, 29.8020, -0.4540



# Rectangle

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



58.8370, -16.3190, -18.1350



54.3190, -46.8550, -15.3910



68.8250, 11.4590, 18.1070



66.6020, 30.9000, 12.6920

# Sweetspot

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



58.8370, -16.3190, -18.1350



90.6630, -6.6010, -7.0250



65.9120, 5.4590, -16.3410



44.6250, -3.4380, -3.7740



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000



# Same Dimension

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



58.8370, -16.3190, -18.1350



71.8370, -25.4870, -28.1990



61.2310, -23.0600, -11.6040



36.5760, -1.7420, -1.4700



63.6360, -38.6430, -43.0830



143.5600, -87.3250, -96.9650



# Inverse Universe

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



48.1630, 16.3190, 18.1350



55.1630, 25.4870, 28.1990



45.7690, 23.0600, 11.6040



35.5380, 1.4210, 1.7810



38.3640, 38.6430, 43.0830

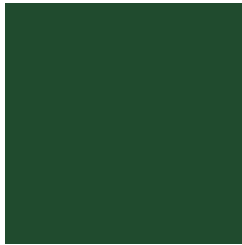


86.4400, 87.3250, 96.9650



# Previews

## White Background



This preview shows how the YIQ color 58.8370, -16.3190, -18.1350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

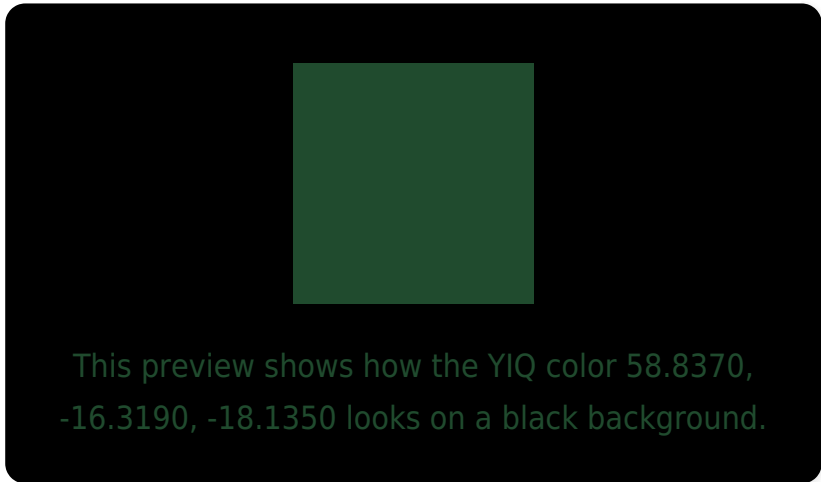
Any Text WCAG AA ✓ Pass

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

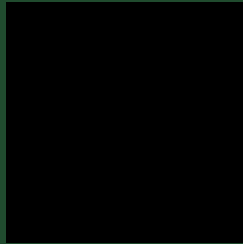
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 58.8370, -16.3190, -18.1350

## Background



This preview shows how black text looks on a background with the YIQ color 58.8370, -16.3190, -18.1350.



This preview shows how white text looks on a background with the YIQ color 58.8370, -16.3190,

-18.1350.

# 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

58.8370, -16.3190, -18.1350

### Protanopia

65.1720, 10.9590, -5.8810

### Deuteranopia

66.7750, 13.7550, -1.4850



## Tritanopia

62.7140, -19.8060, -4.4940

# Trichromacy



## Original Color

58.8370, -16.3190, -18.1350

## Protanomaly

62.5620, 0.8730, -10.3190

## Deuteranomaly

63.9260, 2.8440, -7.4920

## Tritanomaly

61.1500, -18.3380, -9.0740

# Monochromacy



## Original Color

58.8370, -16.3190, -18.1350

## Achromatopsia

59.0000, 0.0000, -0.0000

## Achromatomaly

58.9620, -6.0050, -6.8130

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 58.8370, -16.3190, -18.1350 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(32, 75, 46)` looks like.

```
.text, #text, p{  
    color:rgb(32, 75, 46)  
}
```

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(32, 75, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 75, 46) }
```

## Border

The CSS property to change the border of an element to YIQ 58.8370, -16.3190, -18.1350 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(32, 75, 46) }
```



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

```
.border{ border-color:rgb(32, 75, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 75, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 75, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 75, 46);  
box-shadow:4px 4px 4px 4px rgb(32, 75, 46)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 58.8370, -16.3190, -18.1350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 75, 46) }
```

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

```
.background{ background-color: rgb(32, 75,  
46) }
```

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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