

Converting Colors

YIQ(51.8940, -29.6610,
-18.6290)

Have a look what the booklet for
YIQ(51.8940, -29.6610, -18.6290)
contains.

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Color

**YIQ(51.8940, -29.6610,
-18.6290)**

Conversions

Conversions Part 1

Format	Color
Hex	0C4835
RGB	12, 72, 53
RGB Percent	5%, 28%, 21%
CMY	0.9531, 0.7175, 0.7923
CMYK	0.83, 0.00, 0.26, 0.72
HSL	161°, 72%, 16%
HSV	161°, 83%, 28%
XYZ	3.1121, 4.9727, 4.1608
YIQ	51.8940, -29.6610, -18.6290

Conversions

Conversions Part 2

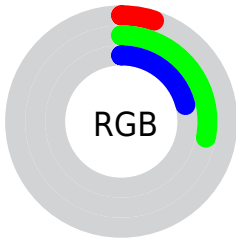
Format	Color
R_{YB}	12, 48, 72
Decimal	804917
CIE _{Lab}	26.66, -23.91, 6.18
CIE _{LCh}	27, 24.693, 165.504
Yxy	4.9727, 0.2541, 0.4061
Android (android.graphics.Color)	4278994997 (0xFF0C4835)
YUV	51.8940, 0.5453, -34.9870
Hunter-Lab	22.2995, -14.1130, 4.5469

Details

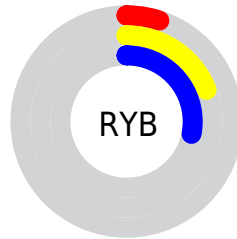
The YIQ color **51.8940, -29.6610, -18.6290** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **32.1060, 29.6610, 18.6290**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.8620, -26.6350, -18.4030**, and **18.5220, -10.8180, -13.2020** is the 20% darker color. If you saturate the color by 10%, you get **49.5730, -33.1910, -20.7350**, and if you desaturate by 10%, it is **54.2150, -26.1310, -16.5230**.

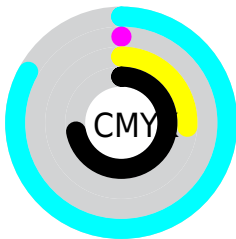
Distribution



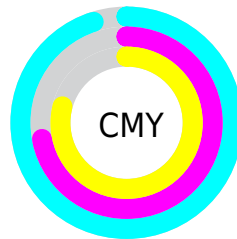
- Red (5%)
- Green (28%)
- Blue (21%)



- Red (5%)
- Yellow (19%)
- Blue (28%)



- Cyan (83%)
- Magenta (0%)
- Yellow (26%)
- Black (72%)



- Cyan (95%)
- Magenta (72%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.8940, -29.6610, -18.6290 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 51.8940, -29.6610, -18.6290 by changing the saturation by 10% instead.

■ 51.8940, -29.6610,
-18.6290

■ 51.8940, -29.6610,
-18.6290

■ 255.0000, -0.0000,
-0.0000

■ 32.4110, -23.7470,
-15.6750

■ 101.8620,
-26.6350, -18.4030

■ 18.5220, -10.8180,
-13.2020

■ 127.6340,
-25.9930, -19.0250

■ 0.0000, 0.0000,
0.0000

■ 154.2210,
-26.2680, -19.5480

■ 180.9220,
-26.8640, -19.7600

■ 209.0960,
-27.4140, -20.8060

■ 235.4490,

-26.9100, -18.9260

■ 246.6280,
-16.6880, -5.9360

■ 51.8940, -29.6610,
-18.6290

■ 51.8940, -29.6610,
-18.6290

■ 49.5730, -33.1910,
-20.7350

■ 54.2150, -26.1310,
-16.5230

■ 47.8500, -35.5290,
-22.4170

■ 56.6500, -22.9220,
-14.1060

■ 59.2700, -18.7960,
-11.7880

■ 61.5910, -15.2660,
-9.6820

■ 63.9120, -11.7360,
-7.5760

■ 66.3470, -8.5270,
-5.1590

■ 68.6680, -4.9970,
-3.0530

■ 71.2880, -0.8710,
-0.7350

■ 73.7230, 2.3380,
1.6820

Harmonies

Analogous

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



58.3500, -4.5820, -16.0860



51.8940, -29.6610, -18.6290



51.0590, -43.1870, -15.7870

Triad

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



51.8940, -29.6610, -18.6290



62.3310, -19.6250, 8.7510



62.8480, 29.8470, 4.2390

Complementary

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



51.8940, -29.6610, -18.6290



32.1060, 29.6610, 18.6290

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.



63.9330, 28.4700, 12.6780



51.8940, -29.6610, -18.6290



64.9810, 2.1520, 16.0720

Square

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



51.8940, -29.6610, -18.6290



51.2020, -50.4790, -4.7750



64.3050, 18.7950, 17.3150



62.1150, 24.3010, -5.3870

Rectangle

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



51.8940, -29.6610, -18.6290



51.8400, -46.7640, -11.5320



64.3050, 18.7950, 17.3150



63.1410, 30.5800, 7.4760

Sweetspot

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



51.8940, -29.6610, -18.6290



86.3250, -11.4610, -7.0530



53.2000, -4.5800, -27.1400



43.3580, -7.0600, -4.2120



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.



51.8940, -29.6610, -18.6290



62.4740, -46.3940, -29.2580



48.1900, -33.0100, -7.4900



34.6900, -2.0630, -1.1590



65.8650, -49.0530, -30.6290



150.9190, -112.1800, -70.5160

Inverse Universe

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



32.1060, 29.6610, 18.6290



31.5260, 46.3940, 29.2580



35.8100, 33.0100, 7.4900



33.3100, 2.0630, 1.1590



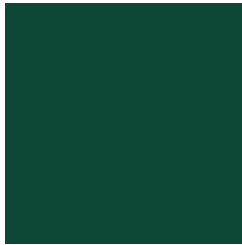
33.2490, 48.7320, 30.9400



76.0810, 112.1800, 70.5160

Previews

White Background



This preview shows how the YIQ color 51.8940, -29.6610, -18.6290 looks on a white background.

Color Contrast Check

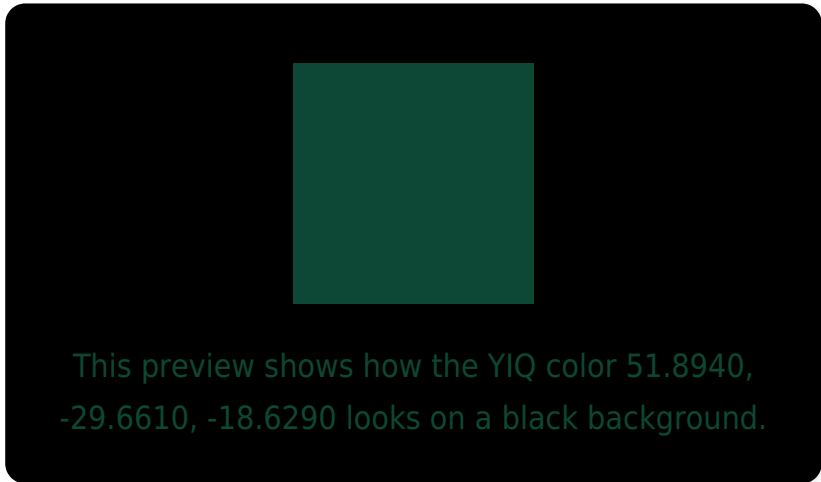
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.8940, -29.6610, -18.6290

Background



This preview shows how black text looks on a background with the YIQ color 51.8940, -29.6610, -18.6290.



This preview shows how white text looks on a background with the YIQ color 51.8940, -29.6610,

-18.6290.

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

51.8940, -29.6610, -18.6290

Protanopia

62.6000, 6.8780, -3.5060

Deuteranopia

63.6050, 8.4820, 0.4660



Tritanopia

56.8270, -27.5540, -7.2500

Trichromacy



Original Color

51.8940, -29.6610, -18.6290

Protanomaly

58.4950, -6.1880, -9.0040

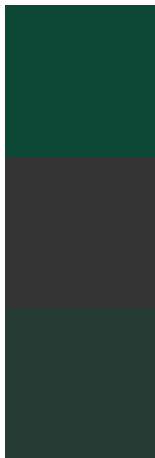
Deuteranomaly

59.2610, -5.4090, -6.6010

Tritanomaly

55.0070, -28.2410, -11.3210

Monochromacy



Original Color

51.8940, -29.6610, -18.6290

Achromatopsia

52.0000, -0.0000, -0.0000

Achromatomaly

51.6240, -10.8650, -6.8410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.8940, -29.6610, -18.6290 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(12, 72, 53)` looks like.

```
.text, #text, p{  
    color:rgb(12, 72, 53)  
}
```

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(12, 72, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 72, 53) }
```

Border

The CSS property to change the border of an element to YIQ 51.8940, -29.6610, -18.6290 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(12, 72, 53) }
```


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

```
.border{ border-color:rgb(12, 72, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 72, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 72, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 72, 53);  
box-shadow:4px 4px 4px 4px rgb(12, 72, 53)  
}
```

Background

The CSS property to change the background color of an element to YIQ 51.8940, -29.6610, -18.6290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 72, 53) }
```

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

```
.background{ background-color: rgb(12, 72,  
53) }
```

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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