

Converting Colors

YIQ(51.5750, 17.1940, -3.2380)

Have a look what the booklet for
YIQ(51.5750, 17.1940, -3.2380)
contains.

YIQ(51.5750, 17.1940, -3.2380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(51.5750, 17.1940,
-3.2380)**

Conversions

Conversions Part 1

Format	Color
Hex	42311B
RGB	66, 49, 27
RGB Percent	26%, 19%, 11%
CMY	0.7412, 0.8079, 0.8940
CMYK	0.00, 0.26, 0.59, 0.74
HSL	34°, 42%, 18%
HSV	34°, 59%, 26%
XYZ	3.5433, 3.4337, 1.5143
YIQ	51.5750, 17.1940, -3.2380

Conversions

Conversions Part 2

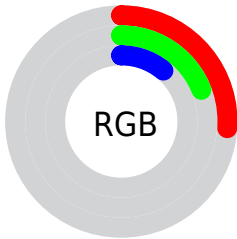
Format	Color
R_{YB}	57, 66, 27
Decimal	4337947
CIE Lab	21.70, 4.52, 16.91
CIE LCh	22, 17.502, 75.050
Yxy	3.4337, 0.4173, 0.4044
Android (android.graphics.Color)	4282528027 (0xFF42311B)
YUV	51.5750, -12.1155, 12.6507
Hunter-Lab	18.5304, 1.7041, 8.1262

Details

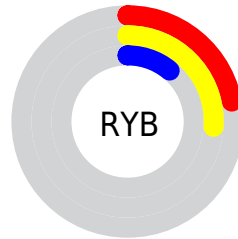
The YIQ color **51.5750, 17.1940, -3.2380** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **41.4250, -17.1940, 3.2380**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.2440, 19.6240, -3.2240**, and **6.8550, 10.7740, 2.9820** is the 20% darker color. If you saturate the color by 10%, you get **49.0160, 20.2660, -3.8460**, and if you desaturate by 10%, it is **54.1340, 14.1220, -2.6300**.

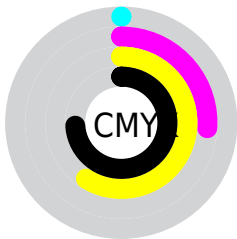
Distribution



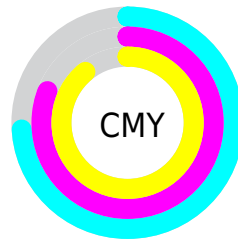
- Red (26%)
- Green (19%)
- Blue (11%)



- Red (22%)
- Yellow (26%)
- Blue (11%)



- Cyan (0%)
- Magenta (26%)
- Yellow (59%)
- Black (74%)



- Cyan (74%)
- Magenta (81%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.5750, 17.1940, -3.2380 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 51.5750, 17.1940, -3.2380 by changing the saturation by 10% instead.

■ 51.5750, 17.1940,
-3.2380

■ 51.5750, 17.1940,
-3.2380

■ 255.0000, -0.0000,
-0.0000

■ 29.7060, 18.2030,
-5.0050

■ 98.2440, 19.6240,
-3.2240

■ 6.8550, 10.7740,
2.9820

■ 123.4290, 20.5410,
-3.3230

■ 0.0000, 0.0000,
0.0000

■ 148.9130, 22.0540,
-3.2100

■ 176.0980, 22.9710,
-3.3090

■ 203.3970, 23.5670,
-3.0970

■ 231.5820, 24.4840,

-3.1960

■ 251.8080, 8.9880,
-8.7080

■ 51.5750, 17.1940,
-3.2380

■ 51.5750, 17.1940,
-3.2380

■ 49.0160, 20.2660,
-3.8460

■ 54.1340, 14.1220,
-2.6300

■ 46.5710, 23.0170,
-4.1430

■ 56.5790, 11.3710,
-2.3330

■ 44.0120, 26.0890,
-4.7510

■ 59.1380, 8.2990,
-1.7250

■ 41.5670, 28.8400,
-5.0480

■ 61.5830, 5.5480,
-1.4280

■ 41.4530, 29.1610,
-5.3590

■ 63.5550, 2.7510,
-0.2970

■ 66.1140, -0.3210,
0.3110

■ 68.5590, -3.0720,
0.6080

■ 71.1180, -6.1440,
1.2160

■ 73.5630, -8.8950,
1.5130

Harmonies

Analogous

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



52.4170, 20.8150, 2.7270



51.5750, 17.1940, -3.2380



50.3350, 8.9420, -7.8740

Triad

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



51.5750, 17.1940, -3.2380



41.8430, -33.6510, -12.3950



53.5200, 1.8320, 10.8560

Complementary

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



51.5750, 17.1940, -3.2380



41.4250, -17.1940, 3.2380

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.



51.8710, -12.5180, 6.6020



51.5750, 17.1940, -3.2380



42.0260, -38.4200, -8.5640

Square

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



51.5750, 17.1940, -3.2380



45.7540, -17.2830, -11.6750



47.0430, -27.9220, -0.5780



53.7940, 12.7440, 11.3360

Rectangle

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



51.5750, 17.1940, -3.2380



49.7470, 1.7900, -10.4180



47.0430, -27.9220, -0.5780



53.2420, -3.2570, 9.4710

Sweetspot

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



51.5750, 17.1940, -3.2380



81.0670, 7.0610, -1.3150



40.7130, 17.4660, 13.8660



39.6260, 3.9890, -0.7070



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



51.5750, 17.1940, -3.2380



64.0830, 27.3270, -5.1610



60.9560, 11.3270, -12.5530



32.0710, 1.2380, -0.4100



61.2880, 42.6870, -8.2010



140.9380, 98.8540, -18.4100

Inverse Universe

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



41.4250, -17.1940, 3.2380



47.9170, -27.3270, 5.1610



32.0440, -11.3270, 12.5530



30.9290, -1.2380, 0.4100



35.7120, -42.6870, 8.2010



83.0620, -98.8540, 18.4100

Previews

White Background



This preview shows how the YIQ color 51.5750, 17.1940, -3.2380 looks on a white background.

Color Contrast Check

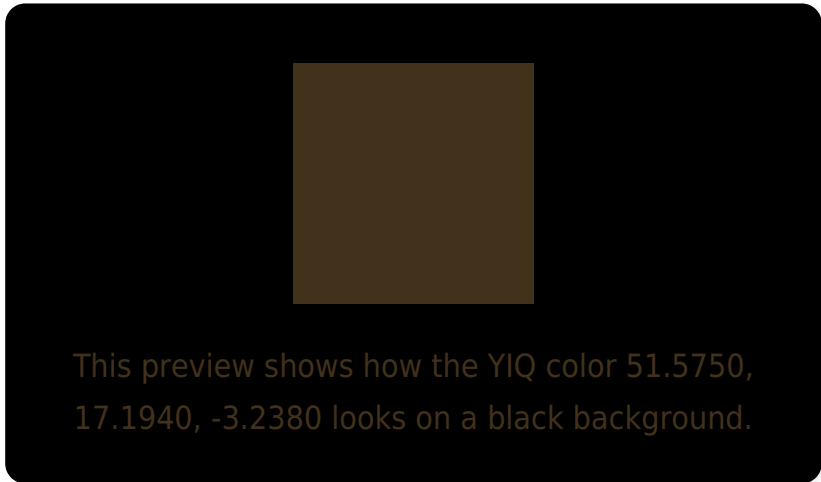
Large Text (above 18pt) WCAG AA ✓ Pass

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

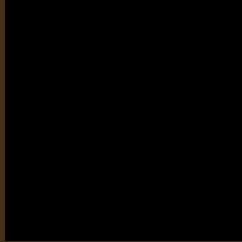
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.5750, 17.1940, -3.2380

Background



This preview shows how black text looks on a background with the YIQ color 51.5750, 17.1940, -3.2380.



This preview shows how white text looks on a background with the YIQ color 51.5750, 17.1940,

-3.2380.

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

51.5750, 17.1940, -3.2380

Protanopia

51.0580, 11.2800, -6.1920

Deuteranopia

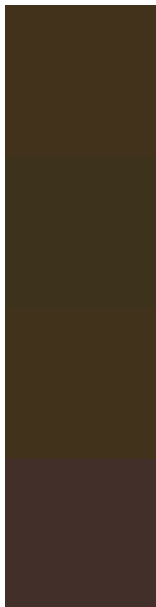
51.5640, 15.7270, -4.1850



Tritanopia

53.0340, 11.8280, 5.9080

Trichromacy



Original Color

51.5750, 17.1940, -3.2380

Protanomaly

51.3680, 13.3430, -5.0330

Deuteranomaly

51.8630, 16.3230, -3.9730

Tritanomaly

52.4100, 13.5250, 2.6850

Monochromacy



Original Color

51.5750, 17.1940, -3.2380

Achromatopsia

52.0000, -0.0000, -0.0000

Achromatomaly

51.8820, 6.1440, -1.2160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.5750, 17.1940, -3.2380 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(66, 49, 27)` looks like.

```
.text, #text, p{  
    color:rgb(66, 49, 27)  
}
```

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(66, 49, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 49, 27) }
```

Border

The CSS property to change the border of an element to YIQ 51.5750, 17.1940, -3.2380 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(66, 49, 27) }
```


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

```
.border{ border-color:rgb(66, 49, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 49, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 49, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 49, 27);  
box-shadow:4px 4px 4px 4px rgb(66, 49, 27)  
}
```

Background

The CSS property to change the background color of an element to YIQ 51.5750, 17.1940, -3.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 49, 27) }
```

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

```
.background{ background-color: rgb(66, 49,  
27) }
```

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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