

Converting Colors

YIQ(51.3960, 16.1400, -6.1640)

Have a look what the booklet for
YIQ(51.3960, 16.1400, -6.1640)
contains.

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Color

**YIQ(51.3960, 16.1400,
-6.1640)**

Conversions

Conversions Part 1

Format	Color
Hex	3F3317
RGB	63, 51, 23
RGB Percent	25%, 20%, 9%
CMY	0.7529, 0.8000, 0.9097
CMYK	0.00, 0.19, 0.63, 0.75
HSL	42°, 46%, 17%
HSV	42°, 63%, 25%
XYZ	3.3886, 3.4860, 1.3060
YIQ	51.3960, 16.1400, -6.1640

Conversions

Conversions Part 2

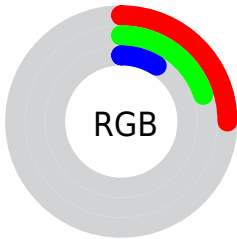
Format	Color
RYB	40, 63, 23
Decimal	4141847
CIELab	21.89, 1.23, 19.55
CIELCh	22, 19.591, 86.410
Yxy	3.4860, 0.4142, 0.4261
Android (android.graphics.Color)	4282331927 (0xFF3F3317)
YUV	51.3960, -13.9992, 10.1767
Hunter-Lab	18.6709, -0.2782, 8.9223

Details

The YIQ color **51.3960, 16.1400, -6.1640** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **34.6040, -16.1400, 6.1640**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.0650, 18.5700, -6.1500**, and **7.4090, 6.0980, -0.3820** is the 20% darker color. If you saturate the color by 10%, you get **49.5380, 18.6160, -6.9840**, and if you desaturate by 10%, it is **53.2540, 13.6640, -5.3440**.

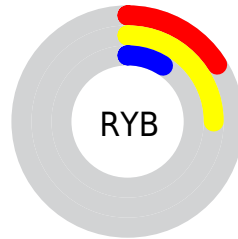
Distribution



Red (25%)

Green (20%)

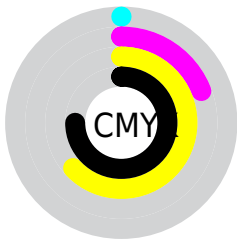
Blue (9%)



Red (16%)

Yellow (25%)

Blue (9%)

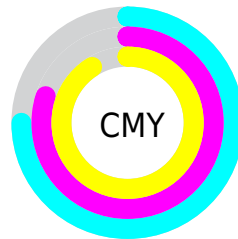


Cyan (0%)

Magenta (19%)

Yellow (63%)

Black (75%)



Cyan (75%)

Magenta (80%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.3960, 16.1400, -6.1640 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 51.3960, 16.1400, -6.1640 by changing the saturation by 10% instead.

■ 51.3960, 16.1400,
-6.1640

■ 51.3960, 16.1400,
-6.1640

■ 254.5440, 1.2840,
-1.2440

■ 29.8690, 16.1860,
-6.9980

■ 98.0650, 18.5700,
-6.1500

■ 7.4090, 6.0980,
-0.3820

■ 123.1360, 19.8080,
-6.5600

■ 0.0000, 0.0000,
0.0000

■ 149.3210, 20.7250,
-6.6590

■ 175.6200, 21.3210,
-6.4470

■ 203.3920, 21.9630,
-7.0690

■ 231.5770, 22.8800,

-7.1680

■ 251.2380, 10.5930,
-10.2630

■ 51.3960, 16.1400,
-6.1640

■ 51.3960, 16.1400,
-6.1640

■ 49.5380, 18.6160,
-6.9840

■ 53.2540, 13.6640,
-5.3440

■ 47.5660, 21.4130,
-8.1150

■ 55.2260, 10.8670,
-4.2130

■ 45.7080, 23.8890,
-8.9350

■ 57.0840, 8.3910,
-3.3930

■ 44.6650, 25.4480,
-9.6560

■ 58.9420, 5.9150,
-2.5730

■ 60.3270, 3.3930,
-0.9190

■ 62.1850, 0.9170,
-0.0990

■ 64.0430, -1.5590,
0.7210

■ 65.9010, -4.0350,
1.5410

■ 67.8730, -6.8320,
2.6720

Harmonies

Analogous

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



52.4340, 22.1450, 0.6490



51.3960, 16.1400, -6.1640



49.6010, 5.1370, -10.5030

Triad

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



51.3960, 16.1400, -6.1640



42.6300, -37.3650, -11.1650



54.3250, 6.8750, 13.0750

Complementary

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



51.3960, 16.1400, -6.1640



34.6040, -16.1400, 6.1640

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.



52.9040, -8.1170, 9.4430



51.3960, 16.1400, -6.1640



42.7100, -40.3460, -6.6980

Square

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



51.3960, 16.1400, -6.1640



42.7140, -28.9740, -14.5580



48.4070, -25.9510, 2.2490



53.6590, 17.5580, 12.1980

Rectangle

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



51.3960, 16.1400, -6.1640



48.7570, -4.1700, -12.5380



48.4070, -25.9510, 2.2490



54.4600, 2.0610, 12.2130

Sweetspot

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



51.3960, 16.1400, -6.1640



77.2410, 6.5110, -2.3610



36.4420, 19.6670, 12.5230



38.0990, 4.0350, -1.5410



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.



51.3960, 16.1400, -6.1640



63.7790, 25.1270, -9.3450



56.3470, 8.6680, -13.9240



30.0710, 1.2380, -0.4100



66.8480, 37.8740, -14.5900



157.3630, 89.6870, -34.0010

Inverse Universe

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



34.6040, -16.1400, 6.1640



37.6340, -24.8520, 9.8680



29.6530, -8.6680, 13.9240



28.3420, -0.9630, 0.9330



27.1520, -37.8740, 14.5900



64.6370, -89.6870, 34.0010

Previews

White Background



This preview shows how the YIQ color 51.3960, 16.1400, -6.1640 looks on a white background.

Color Contrast Check

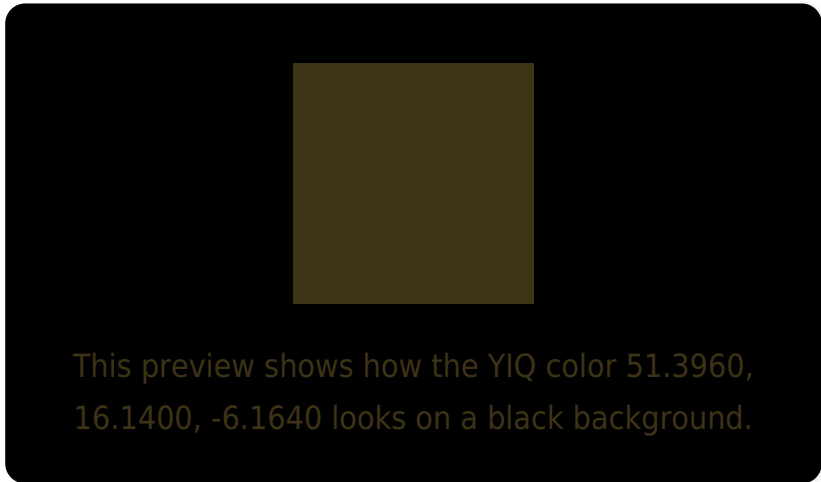
Large Text (above 18pt) WCAG AA ✓ Pass

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

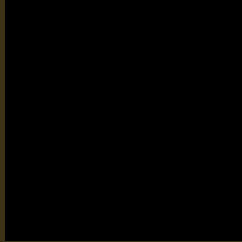
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.3960, 16.1400, -6.1640

Background



This preview shows how black text looks on a background with the YIQ color 51.3960, 16.1400, -6.1640.



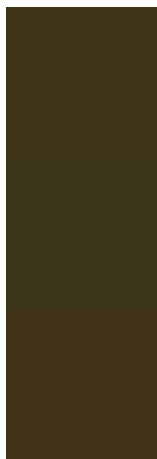
This preview shows how white text looks on a background with the YIQ color 51.3960, 16.1400, -6.1640.

-6.1640.

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

51.3960, 16.1400, -6.1640

Protanopia

51.1890, 12.2890, -7.9590

Deuteranopia

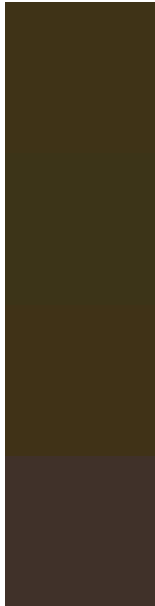
51.4070, 17.6070, -5.2170



Tritanopia

53.5390, 8.8480, 4.8480

Trichromacy



Original Color

51.3960, 16.1400, -6.1640

Protanomaly

51.2000, 13.7560, -7.0120

Deuteranomaly

51.1080, 17.0110, -5.4290

Tritanomaly

52.5730, 11.5080, 0.6920

Monochromacy



Original Color

51.3960, 16.1400, -6.1640

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

51.0560, 5.5940, -2.2620

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.3960, 16.1400, -6.1640 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(63, 51, 23)` looks like.

```
.text, #text, p{  
    color:rgb(63, 51, 23)  
}
```

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(63, 51, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 51, 23) }
```

Border

The CSS property to change the border of an element to YIQ 51.3960, 16.1400, -6.1640 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(63, 51, 23) }
```


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

```
.border{ border-color:rgb(63, 51, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 51, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 51, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 51, 23);  
box-shadow:4px 4px 4px 4px rgb(63, 51, 23)  
}
```

Background

The CSS property to change the background color of an element to YIQ 51.3960, 16.1400, -6.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 51, 23) }
```

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

```
.background{ background-color: rgb(63, 51,  
23) }
```

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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