

Converting Colors

YIQ(73.6310, 31.9560, 4.5640)

Have a look what the booklet for
YIQ(73.6310, 31.9560, 4.5640)
contains.

YIQ(73.6310, 31.9560, 4.5640)	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(73.6310, 31.9560,
4.5640)**

Conversions

Conversions Part 1

Format	Color
Hex	6B3E2E
RGB	107, 62, 46
RGB Percent	42%, 24%, 18%
CMY	0.5803, 0.7569, 0.8195
CMYK	0.00, 0.42, 0.57, 0.58
HSL	16°, 40%, 30%
HSV	16°, 57%, 42%
XYZ	8.2818, 6.7681, 3.4583
YIQ	73.6310, 31.9560, 4.5640

Conversions

Conversions Part 2

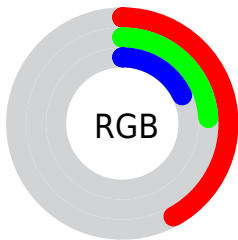
Format	Color
R_{YB}	107, 68, 46
Decimal	7028270
CIE _{Lab}	31.27, 17.90, 18.17
CIE _{LCh}	31, 25.506, 45.419
Yxy	6.7681, 0.4475, 0.3657
Android (android.graphics.Color)	4285218350 (0xFF6B3E2E)
YUV	73.6310, -13.6221, 29.2646
Hunter-Lab	26.0155, 11.2969, 10.3293

Details

The YIQ color **73.6310, 31.9560, 4.5640** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **79.3690, -31.9560, -4.5640**, and the grayscale version is **74.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **123.1970, 36.1740, 5.2140**, and **27.6090, 29.0220, 2.6700** is the 20% darker color. If you saturate the color by 10%, you get **67.6810, 37.6870, 5.3270**, and if you desaturate by 10%, it is **79.5810, 26.2250, 3.8010**.

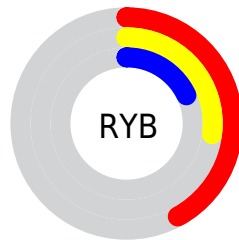
Distribution



Red (42%)

Green (24%)

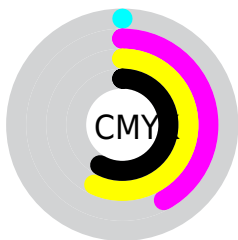
Blue (18%)



Red (42%)

Yellow (27%)

Blue (18%)

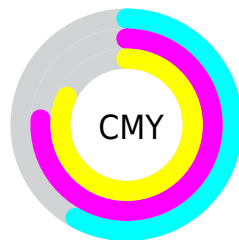


Cyan (0%)

Magenta (42%)

Yellow (57%)

Black (58%)



Cyan (58%)

Magenta (76%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 73.6310, 31.9560, 4.5640 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 73.6310, 31.9560, 4.5640 by changing the saturation by 10% instead.

■ 73.6310, 31.9560,
4.5640

■ 73.6310, 31.9560,
4.5640

■ 255.0000, -0.0000,
-0.0000

■ 50.5490, 29.2510,
4.0270

■ 123.1970, 36.1740,
5.2140

■ 27.6090, 29.0220,
2.6700

■ 149.6810, 37.6870,
5.3270

■ 10.1660, 20.2640,
7.2080

■ 176.1650, 39.2000,
5.4400

■ 0.0000, 0.0000,
0.0000

■ 203.7630, 40.3920,
5.8640

■ 225.9680, 29.3890,
1.5250

■ 245.5960, 12.7010,

-4.4110

254.7720, 0.6420,
-0.6220

■ 73.6310, 31.9560,
4.5640

■ 73.6310, 31.9560,
4.5640

■ 67.6810, 37.6870,
5.3270

■ 79.5810, 26.2250,
3.8010

■ 61.8450, 43.0970,
6.4010

■ 85.4170, 20.8150,
2.7270

■ 55.8950, 48.8280,
7.1640

■ 91.3670, 15.0840,
1.9640

■ 49.9450, 54.5590,
7.9270

■ 97.3170, 9.3530,
1.2010

■ 48.4290, 56.0720,
8.0400

■ 103.2670, 3.6220,
0.4380

■ 108.5160, -1.5130,
-0.1130

■ 114.4660, -7.2440,
-0.8760

■ 120.4160,
-12.9750, -1.6390

■ 126.2520,
-18.3850, -2.7130

Harmonies

Analogous

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



74.2430, 30.5330, 13.8370



73.6310, 31.9560, 4.5640



72.5990, 25.8140, -5.2740

Triad

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



73.6310, 31.9560, 4.5640



62.7800, -29.3400, -18.9400



72.9720, -19.9920, 9.8960

Complementary

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



73.6310, 31.9560, 4.5640



79.3690, -31.9560, -4.5640

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.



62.4410, -49.6540, -3.2060



73.6310, 31.9560, 4.5640



58.8840, -50.0640, -17.8080

Square

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



73.6310, 31.9560, 4.5640



68.5240, -5.1320, -17.1320



59.6480, -54.9710, -11.4750



75.5080, 2.1060, 16.9060

Rectangle

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



73.6310, 31.9560, 4.5640



71.7180, 17.9290, -11.0550



59.6480, -54.9710, -11.4750



70.6720, -28.0150, 6.6170

Sweetspot

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



73.6310, 31.9560, 4.5640



127.2850, 12.3790, 1.4270



69.4830, 21.5900, 27.2380



63.5340, 7.2440, 0.8760



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



73.6310, 31.9560, 4.5640



88.0800, 49.7450, 7.0650



91.2410, 23.7060, -11.1260



50.9680, 3.0260, 0.2260



53.1800, 61.2070, 8.5910



110.8230, 128.4200, 18.4680

Inverse Universe

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



79.3690, -31.9560, -4.5640



96.9200, -49.7450, -7.0650



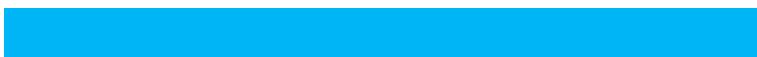
61.7590, -23.7060, 11.1260



51.0320, -3.0260, -0.2260



64.4070, -61.4820, -9.1140



134.1770, -128.4200, -18.4680

Previews

White Background



This preview shows how the YIQ color 73.6310, 31.9560, 4.5640 looks on a white background.

Color Contrast Check

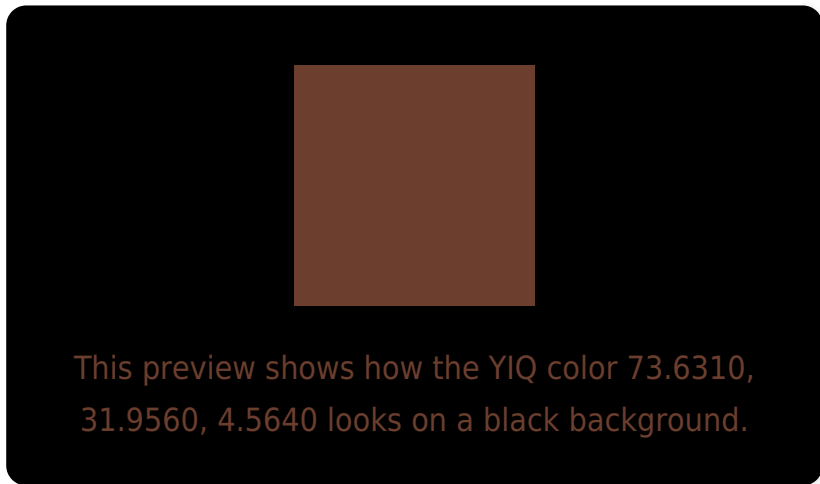
Large Text (above 18pt) WCAG AA ✓ Pass

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

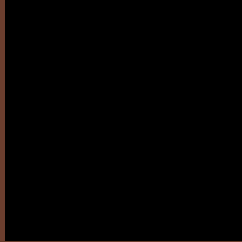
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 73.6310, 31.9560, 4.5640

Background



This preview shows how black text looks on a background with the YIQ color 73.6310, 31.9560, 4.5640.



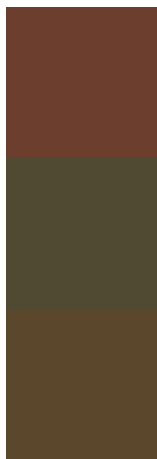
This preview shows how white text looks on a background with the YIQ color 73.6310, 31.9560,

4.5640.

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

73.6310, 31.9560, 4.5640

Protanopia

73.1720, 10.9590, -5.8810

Deuteranopia

73.6030, 19.9910, -4.3690



Tritanopia

74.8080, 27.3240, 11.4200

Trichromacy



Original Color

73.6310, 31.9560, 4.5640

Protanomaly

73.5860, 18.6610, -2.2910

Deuteranomaly

73.7500, 24.0710, -1.2170

Tritanomaly

74.5970, 29.2960, 8.7200

Monochromacy



Original Color

73.6310, 31.9560, 4.5640

Achromatopsia

74.0000, -0.0000, 0.0000

Achromatomaly

74.1000, 11.4620, 1.5260

CSS Examples

Text

The CSS property to change the color of the text to YIQ 73.6310, 31.9560, 4.5640 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(107, 62, 46)` looks like.

```
.text, #text, p{  
    color:rgb(107, 62, 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(107, 62, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 62, 46) }
```

Border

The CSS property to change the border of an element to YIQ 73.6310, 31.9560, 4.5640 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(107, 62, 46) }
```


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

```
.border{ border-color:rgb(107, 62, 46) }
```

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

Here you see how a box with a 4 pixel rgb(107, 62, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 62, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 62, 46);  
box-shadow:4px 4px 4px 4px rgb(107, 62,  
46) }
```

Background

The CSS property to change the background color of an element to YIQ 73.6310, 31.9560, 4.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 62, 46) }
```

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

```
.background{ background-color: rgb(107, 62,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor