

Converting Colors

YIQ(63.1670, 18.5230, 0.2110)

Have a look what the booklet for
YIQ(63.1670, 18.5230, 0.2110)
contains.

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Color

**YIQ(63.1670, 18.5230,
0.2110)**

Conversions

Conversions Part 1

Format	Color
Hex	513A2B
RGB	81, 58, 43
RGB Percent	32%, 23%, 17%
CMY	0.6823, 0.7726, 0.8313
CMYK	0.00, 0.28, 0.47, 0.68
HSL	24°, 31%, 24%
HSV	24°, 47%, 32%
XYZ	5.3433, 4.9496, 2.9613
YIQ	63.1670, 18.5230, 0.2110

Conversions

Conversions Part 2

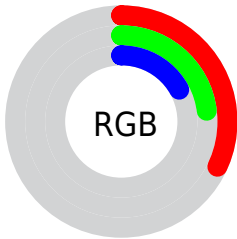
Format	Color
R_{YB}	81, 68, 43
Decimal	5323307
CIE Lab	26.59, 7.96, 13.29
CIE LCh	27, 15.489, 59.071
Yxy	4.9496, 0.4031, 0.3734
Android (android.graphics.Color)	4283513387 (0xFF513A2B)
YUV	63.1670, -9.9423, 15.6395
Hunter-Lab	22.2476, 3.9382, 7.6814

Details

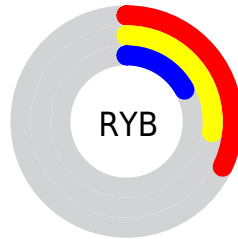
The YIQ color **63.1670, 18.5230, 0.2110** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **60.8330, -18.5230, -0.2110**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **111.2490, 21.2280, 0.7480**, and **20.1560, 17.0560, -0.7360** is the 20% darker color. If you saturate the color by 10%, you get **59.3200, 22.4660, 0.3380**, and if you desaturate by 10%, it is **67.0140, 14.5800, 0.0840**.

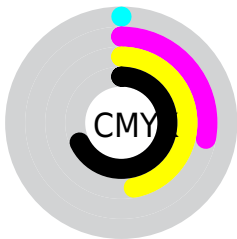
Distribution



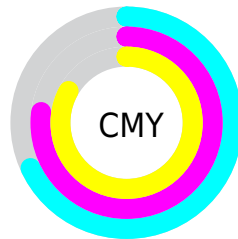
- Red (32%)
- Green (23%)
- Blue (17%)



- Red (32%)
- Yellow (27%)
- Blue (17%)



- Cyan (0%)
- Magenta (28%)
- Yellow (47%)
- Black (68%)



- Cyan (68%)
- Magenta (77%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 63.1670, 18.5230, 0.2110 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 63.1670, 18.5230, 0.2110 by changing the saturation by 10% instead.

■ 63.1670, 18.5230,
0.2110

■ 63.1670, 18.5230,
0.2110

■ 255.0000, -0.0000,
-0.0000

■ 40.6830, 17.0100,
0.0980

■ 111.2490, 21.2280,
0.7480

■ 20.1560, 17.0560,
-0.7360

■ 136.4340, 22.1450,
0.6490

■ 0.0000, 0.0000,
0.0000

■ 162.7330, 22.7410,
0.8610

■ 189.9180, 23.6580,
0.7620

■ 218.1030, 24.5750,
0.6630

■ 241.6180, 15.6350,

-2.5170

254.2020, 2.2470,
-2.1770

63.1670, 18.5230,
0.2110

63.1670, 18.5230,
0.2110

59.3200, 22.4660,
0.3380

67.0140, 14.5800,
0.0840

55.4730, 26.4090,
0.4650

70.8610, 10.6370,
-0.0430

51.6260, 30.3520,
0.5920

74.7080, 6.6940,
-0.1700

47.7790, 34.2950,
0.7190

78.5550, 2.7510,
-0.2970

43.9320, 38.2380,
0.8460

82.5160, -1.5130,
-0.1130

■ 43.0030, 39.4760,
0.4360

■ 85.7760, -5.1810,
0.2830

■ 89.6230, -9.1240,
0.1560

■ 93.4700, -13.0670,
0.0290

■ 97.3170, -17.0100,
-0.0980

Harmonies

Analogous

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



63.9270, 19.4390, 5.6390



63.1670, 18.5230, 0.2110



62.0690, 12.7470, -5.2450

Triad

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



63.1670, 18.5230, 0.2110



57.1390, -19.8050, -10.0210



63.8180, -4.9990, 8.0010

Complementary

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



63.1670, 18.5230, 0.2110



60.8330, -18.5230, -0.2110

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.



61.4250, -17.1940, 3.2380



63.1670, 18.5230, 0.2110



56.1150, -28.4250, -7.9850

Square

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



63.1670, 18.5230, 0.2110



59.0710, -7.9300, -10.4740



57.7610, -27.1880, -2.8680



64.7440, 7.0130, 10.5730

Rectangle

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



63.1670, 18.5230, 0.2110



61.5520, 6.8330, -8.1990



57.7610, -27.1880, -2.8680



62.8390, -9.4920, 6.8280

Sweetspot

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



63.1670, 18.5230, 0.2110



98.0070, 7.2900, 0.0420



56.9840, 15.2650, 15.2090



49.3380, 4.8600, 0.0280



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



63.1670, 18.5230, 0.2110



77.1420, 28.8390, 0.4790



74.3200, 13.2980, -9.7260



38.7830, 2.1090, 0.3250



55.4620, 51.3050, 0.8170



122.7850, 113.2470, 1.5910

Inverse Universe

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



60.8330, -18.5230, -0.2110



73.2710, -28.5640, 0.0440



49.6800, -13.2980, 9.7260



38.6300, -1.8340, 0.1980



48.9510, -51.0300, -0.2940



109.2150, -113.2470, -1.5910

Previews

White Background



This preview shows how the YIQ color 63.1670, 18.5230, 0.2110 looks on a white background.

Color Contrast Check

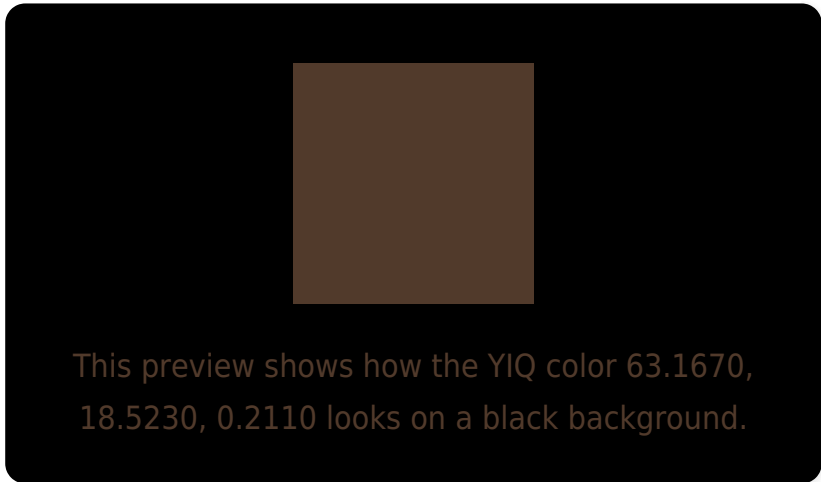
Large Text (above 18pt) WCAG AA ✓ Pass

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

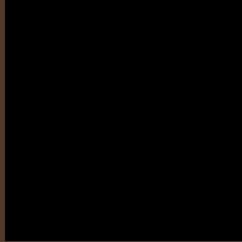
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.1670, 18.5230, 0.2110

Background



This preview shows how black text looks on a background with the YIQ color 63.1670, 18.5230, 0.2110.

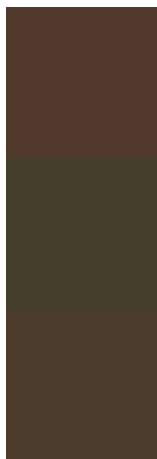


This preview shows how white text looks on a background with the YIQ color 63.1670, 18.5230,

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

63.1670, 18.5230, 0.2110

Protanopia

62.4430, 8.7580, -4.5380

Deuteranopia

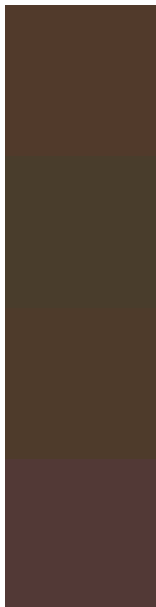
62.8460, 14.9930, -1.8950



Tritanopia

64.2300, 14.2120, 6.7560

Trichromacy



Original Color

63.1670, 18.5230, 0.2110

Protanomaly

62.6500, 12.6090, -2.7430

Deuteranomaly

62.8570, 16.4600, -0.9480

Tritanomaly

64.1330, 15.8630, 4.3670

Monochromacy



Original Color

63.1670, 18.5230, 0.2110

Achromatopsia

63.0000, 0.0000, 0.0000

Achromatomaly

63.1210, 6.9690, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.1670, 18.5230, 0.2110 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(81, 58, 43)` looks like.

```
.text, #text, p{  
    color:rgb(81, 58, 43)  
}
```

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(81, 58, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 58, 43) }
```

Border

The CSS property to change the border of an element to YIQ 63.1670, 18.5230, 0.2110 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(81, 58, 43) }
```


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

```
.border{ border-color:rgb(81, 58, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 58, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 58, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 58, 43);  
box-shadow:4px 4px 4px 4px rgb(81, 58, 43)  
}
```

Background

The CSS property to change the background color of an element to YIQ 63.1670, 18.5230, 0.2110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 58, 43) }
```

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

```
.background{ background-color: rgb(81, 58,  
43) }
```

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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