

Converting Colors

YIQ(68.4720, 18.9820, -2.6020)

Have a look what the booklet for
YIQ(68.4720, 18.9820, -2.6020)
contains.

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Color

**YIQ(68.4720, 18.9820,
-2.6020)**

Conversions

Conversions Part 1

Format	Color
Hex	55412B
RGB	85, 65, 43
RGB Percent	33%, 25%, 17%
CMY	0.6666, 0.7451, 0.8313
CMYK	0.00, 0.24, 0.49, 0.67
HSL	31°, 33%, 25%
HSV	31°, 49%, 33%
XYZ	6.0734, 5.8859, 3.1038
YIQ	68.4720, 18.9820, -2.6020

Conversions

Conversions Part 2

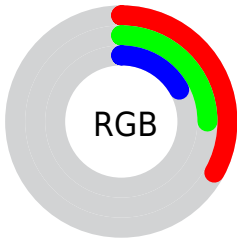
Format	Color
RYB	81, 85, 43
Decimal	5587243
CIELab	29.12, 5.40, 16.70
CIElCh	29, 17.554, 72.085
Yxy	5.8859, 0.4032, 0.3908
Android (android.graphics.Color)	4283777323 (0xFF55412B)
YUV	68.4720, -12.5577, 14.4951
Hunter-Lab	24.2609, 2.2285, 9.3975

Details

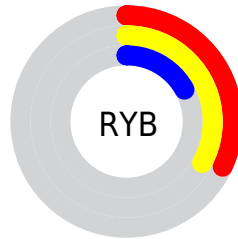
The YIQ color **68.4720, 18.9820, -2.6020** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **59.5280, -18.9820, 2.6020**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **117.1410, 21.4120, -2.5880**, and **24.5750, 17.1940, -3.2380** is the 20% darker color. If you saturate the color by 10%, you get **65.2120, 22.6500, -2.9980**, and if you desaturate by 10%, it is **71.8460, 14.9930, -1.8950**.

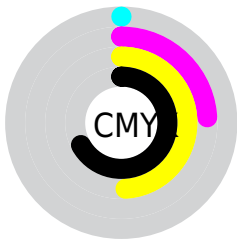
Distribution



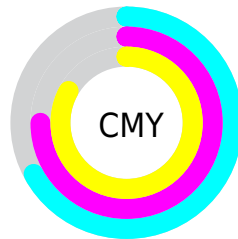
- Red (33%)
- Green (25%)
- Blue (17%)



- Red (32%)
- Yellow (33%)
- Blue (17%)



- Cyan (0%)
- Magenta (24%)
- Yellow (49%)
- Black (67%)



- Cyan (67%)
- Magenta (75%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.4720, 18.9820, -2.6020 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 68.4720, 18.9820, -2.6020 by changing the saturation by 10% instead.

■ 68.4720, 18.9820,
-2.6020

■ 68.4720, 18.9820,
-2.6020

■ 255.0000, -0.0000,
-0.0000

■ 45.9880, 17.4690,
-2.7150

■ 117.1410, 21.4120,
-2.5880

■ 24.5750, 17.1940,
-3.2380

■ 142.6250, 22.9250,
-2.4750

■ 1.1960, 2.3840,
0.8480

■ 168.9240, 23.5210,
-2.2630

■ 0.0000, 0.0000,
0.0000

■ 196.6960, 24.1630,
-2.8850

■ 224.2940, 25.3550,
-2.4610

■ 246.9010, 13.1600,

-7.2240

254.3160, 1.9260,
-1.8660

68.4720, 18.9820,
-2.6020

68.4720, 18.9820,
-2.6020

65.2120, 22.6500,
-2.9980

71.8460, 14.9930,
-1.8950

61.8380, 26.6390,
-3.7050

75.1060, 11.3250,
-1.4990

58.5780, 30.3070,
-4.1010

78.4800, 7.3360,
-0.7920

55.2040, 34.2960,
-4.8080

81.7400, 3.6680,
-0.3960

51.9440, 37.9640,
-5.2040

85.1140, -0.3210,
0.3110

■ 51.2430, 38.5600,
-4.9920

■ 88.3740, -3.9890,
0.7070

■ 91.7480, -7.9780,
1.4140

■ 95.0080, -11.6460,
1.8100

■ 98.3820, -15.6350,
2.5170

Harmonies

Analogous

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



69.4280, 22.2820, 3.6740



68.4720, 18.9820, -2.6020



67.4060, 10.1800, -8.2840

Triad

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



68.4720, 18.9820, -2.6020



60.8220, -29.1580, -11.2220



70.1500, -0.0020, 11.0540

Complementary

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



68.4720, 18.9820, -2.6020



59.5280, -18.9820, 2.6020

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.



68.3870, -14.0310, 6.4890



68.4720, 18.9820, -2.6020



60.4070, -35.1190, -7.8150

Square

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



68.4720, 18.9820, -2.6020



63.1240, -15.4490, -11.8730



64.0430, -27.9220, -0.5780



70.3210, 12.6980, 12.1700

Rectangle

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



68.4720, 18.9820, -2.6020



66.2310, 3.3030, -10.3050



64.0430, -27.9220, -0.5780



70.1710, -4.4950, 9.8810

Sweetspot

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



68.4720, 18.9820, -2.6020



103.3660, 7.6570, -1.1030



57.8380, 18.6120, 15.1240



51.9250, 4.5850, -0.4950



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



68.4720, 18.9820, -2.6020



84.3930, 29.3900, -4.0020



79.9130, 12.8860, -13.2740



41.3700, 1.8340, -0.1980



64.8650, 48.3720, -6.6040



142.4660, 106.2350, -14.5090

Inverse Universe

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



59.5280, -18.9820, 2.6020



70.6070, -29.3900, 4.0020



48.0870, -12.8860, 13.2740



40.6300, -1.8340, 0.1980



42.1350, -48.3720, 6.6040



92.5340, -106.2350, 14.5090

Previews

White Background



This preview shows how the YIQ color 68.4720, 18.9820, -2.6020 looks on a white background.

Color Contrast Check

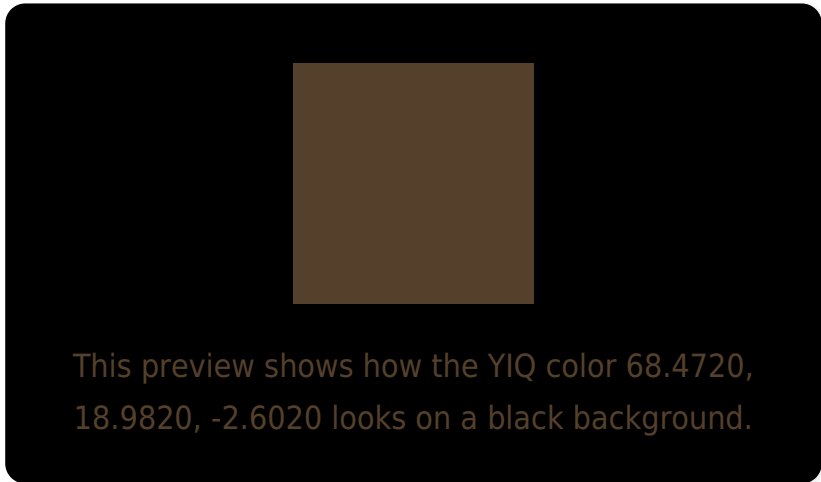
Large Text (above 18pt) WCAG AA ✓ Pass

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

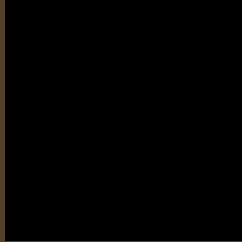
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.4720, 18.9820, -2.6020

Background



This preview shows how black text looks on a background with the YIQ color 68.4720, 18.9820, -2.6020.



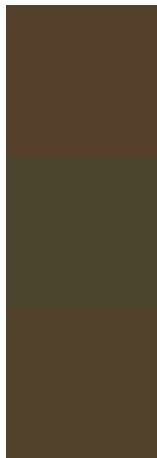
This preview shows how white text looks on a background with the YIQ color 68.4720, 18.9820,

-2.6020.

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

68.4720, 18.9820, -2.6020

Protanopia

68.0580, 11.2800, -6.1920

Deuteranopia

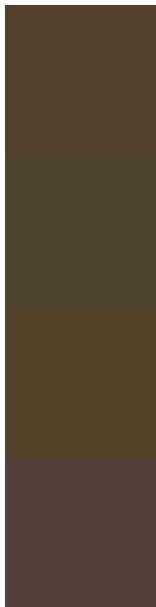
68.4610, 17.5150, -3.5490



Tritanopia

70.0450, 13.2950, 6.8550

Trichromacy



Original Color

68.4720, 18.9820, -2.6020

Protanomaly

68.5530, 14.2600, -5.1320

Deuteranomaly

68.7600, 18.1110, -3.3370

Tritanomaly

69.3070, 15.3130, 3.3210

Monochromacy



Original Color

68.4720, 18.9820, -2.6020

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.1810, 6.7400, -1.0040

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.4720, 18.9820, -2.6020 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(85, 65, 43)` looks like.

```
.text, #text, p{  
    color:rgb(85, 65, 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(85, 65, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 65, 43) }
```

Border

The CSS property to change the border of an element to YIQ 68.4720, 18.9820, -2.6020 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(85, 65, 43) }
```


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

```
.border{ border-color:rgb(85, 65, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 65, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 65, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 65, 43);  
box-shadow:4px 4px 4px 4px rgb(85, 65, 43)  
}
```

Background

The CSS property to change the background color of an element to YIQ 68.4720, 18.9820, -2.6020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 65, 43) }
```

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

```
.background{ background-color: rgb(85, 65,  
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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