

Converting Colors

YIQ(49.4970, 53.3650, 18.5570)

Have a look what the booklet for
YIQ(49.4970, 53.3650, 18.5570)
contains.

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Color

**YIQ(49.4970, 53.3650,
18.5570)**

Conversions

Conversions Part 1

Format	Color
Hex	701716
RGB	112, 23, 22
RGB Percent	44%, 9%, 9%
CMY	0.5606, 0.9099, 0.9135
CMYK	0.00, 0.80, 0.80, 0.56
HSL	1°, 67%, 26%
HSV	1°, 80%, 44%
XYZ	7.1399, 4.1177, 1.1803
YIQ	49.4970, 53.3650, 18.5570

Conversions

Conversions Part 2

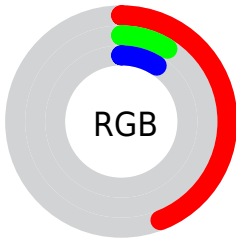
Format	Color
R_{YB}	112, 23, 22
Decimal	7345942
CIE _{Lab}	24.06, 38.31, 24.80
CIE _{LCh}	24, 45.638, 32.917
Yxy	4.1177, 0.5740, 0.3311
Android (android.graphics.Color)	4285536022 (0xFF701716)
YUV	49.4970, -13.5560, 54.8151
Hunter-Lab	20.2922, 27.2952, 10.7559

Details

The YIQ color **49.4970, 53.3650, 18.5570** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **84.5030, -53.3650, -18.5570**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **102.2650, 59.8300, 17.0300**, and **17.0430, 33.9720, 12.0840** is the 20% darker color. If you saturate the color by 10%, you get **41.7860, 59.9210, 20.8890**, and if you desaturate by 10%, it is **57.2080, 46.8090, 16.2250**.

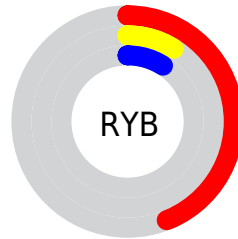
Distribution



Red (44%)

Green (9%)

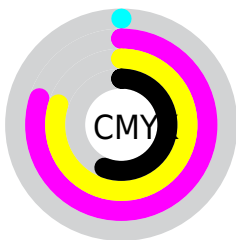
Blue (9%)



Red (44%)

Yellow (9%)

Blue (9%)

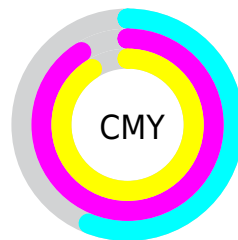


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (56%)



Cyan (56%)

Magenta (91%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.4970, 53.3650, 18.5570 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 49.4970, 53.3650, 18.5570 by changing the saturation by 10% instead.

■ 49.4970, 53.3650,
18.5570

■ 49.4970, 53.3650,
18.5570

■ 254.3160, 1.9260,
-1.8660

■ 25.4150, 50.6600,
18.0200

■ 102.2650, 59.8300,
17.0300

■ 17.0430, 33.9720,
12.0840

■ 128.3470, 62.5350,
17.5670

■ 7.8880, 15.1750,
5.8230

■ 155.3150, 65.5610,
17.7930

■ 0.0000, 0.0000,
0.0000

■ 181.9020, 65.2860,
17.2700

■ 200.7150, 49.5150,
11.2350

■ 220.8160, 32.8730,

4.4650

■ 240.4440, 16.1850,
-1.4710

■ 49.4970, 53.3650,
18.5570

■ 49.4970, 53.3650,
18.5570

■ 41.7860, 59.9210,
20.8890

■ 57.2080, 46.8090,
16.2250

■ 34.0750, 66.4770,
23.2210

■ 64.9190, 40.2530,
13.8930

■ 72.7440, 33.3760,
11.8720

■ 80.4550, 26.8200,
9.5400

■ 88.1660, 20.2640,
7.2080

■ 96.4640, 13.4330,
4.3530

■ 104.1750, 6.8770,
2.0210

■ 112.0000, -0.0000,
0.0000

■ 119.7110, -6.5560,
-2.3320

Harmonies

Analogous

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



45.3510, 48.6850, 37.3010



49.4970, 53.3650, 18.5570



53.6460, 44.7950, -2.3490

Triad

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



49.4970, 53.3650, 18.5570



43.7120, -26.6330, -29.4570



50.2850, -57.5420, 7.5940

Complementary

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



49.4970, 53.3650, 18.5570



84.5030, -53.3650, -18.5570

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.



54.0690, -57.1740, 0.9220



49.4970, 53.3650, 18.5570



49.1040, -39.0600, -18.9960

Square

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



49.4970, 53.3650, 18.5570



48.0220, 1.7930, -26.9990



52.9800, -49.9740, -8.4220



57.4540, -14.9970, 24.0030

Rectangle

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



49.4970, 53.3650, 18.5570



54.4330, 31.9130, -11.1830



52.9800, -49.9740, -8.4220



51.9320, -58.0460, 5.7140

Sweetspot

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



49.4970, 53.3650, 18.5570



121.0520, 20.5850, 6.8970



59.1700, 24.7500, 47.0700



59.2790, 12.5160, 4.4520



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



49.4970, 53.3650, 18.5570



48.1480, 82.5690, 28.9450



75.3250, 41.2650, -4.4550



52.3810, 3.3010, 0.7490



36.4670, 71.2450, 24.9170



75.6140, 146.3870, 50.7950

Inverse Universe

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



84.5030, -53.3650, -18.5570



102.8520, -82.5690, -28.9450



58.6750, -41.2650, 4.4550



54.2060, -3.5760, -1.2720



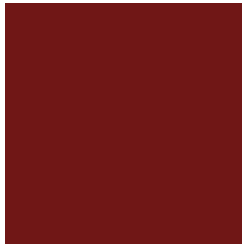
83.5330, -71.2450, -24.9170



171.9730, -146.6620, -51.3180

Previews

White Background



This preview shows how the YIQ color 49.4970, 53.3650, 18.5570 looks on a white background.

Color Contrast Check

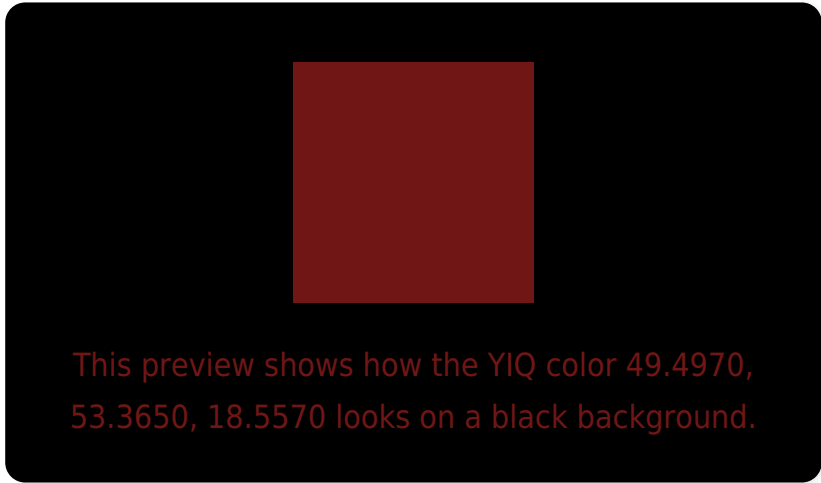
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.4970, 53.3650, 18.5570

Background



This preview shows how black text looks on a background with the YIQ color 49.4970, 53.3650, 18.5570.

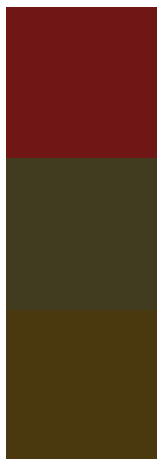


This preview shows how white text looks on a background with the YIQ color 49.4970, 53.3650,

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

49.4970, 53.3650, 18.5570

Protanopia

57.7160, 12.2430, -7.1250

Deuteranopia

56.5940, 24.2100, -9.2460



Tritanopia

49.6110, 53.0440, 18.8680

Trichromacy



Original Color

49.4970, 53.3650, 18.5570

Protanomaly

54.7120, 27.2340, 2.0340

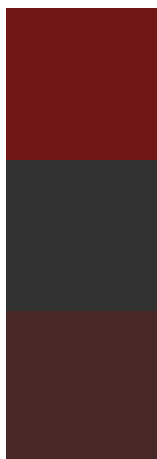
Deuteranomaly

54.0780, 34.8910, 0.9310

Tritanomaly

49.6110, 53.0440, 18.8680

Monochromacy



Original Color

49.4970, 53.3650, 18.5570

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.4540, 19.3930, 6.4730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.4970, 53.3650, 18.5570 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(112, 23, 22)` looks like.

```
.text, #text, p{  
    color:rgb(112, 23, 22)  
}
```

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(112, 23, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 23, 22) }
```

Border

The CSS property to change the border of an element to YIQ 49.4970, 53.3650, 18.5570 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(112, 23, 22) }
```


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

```
.border{ border-color:rgb(112, 23, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 23, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 23, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 23, 22);  
box-shadow:4px 4px 4px 4px rgb(112, 23,  
22) }
```

Background

The CSS property to change the background color of an element to YIQ 49.4970, 53.3650, 18.5570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 23, 22) }
```

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

```
.background{ background-color: rgb(112, 23,  
22) }
```

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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