

Converting Colors

YIQ(50.8070, 55.4280, 19.7160)

Have a look what the booklet for
YIQ(50.8070, 55.4280, 19.7160)
contains.

YIQ(50.8070, 55.4280, 19.7160)	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(50.8070, 55.4280,
19.7160)**

Conversions

Conversions Part 1

Format	Color
Hex	741717
RGB	116, 23, 23
RGB Percent	45%, 9%, 9%
CMY	0.5449, 0.9099, 0.9096
CMYK	0.00, 0.80, 0.80, 0.54
HSL	360°, 67%, 27%
HSV	360°, 80%, 46%
XYZ	7.6708, 4.3902, 1.2567
YIQ	50.8070, 55.4280, 19.7160

Conversions

Conversions Part 2

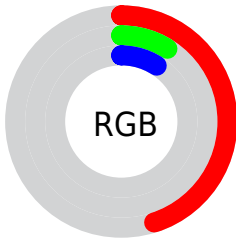
Format	Color
R_{YB}	116, 23, 23
Decimal	7608087
CIE Lab	24.92, 39.69, 25.36
CIE LCh	25, 47.097, 32.574
Yxy	4.3902, 0.5760, 0.3297
Android (android.graphics.Color)	4285798167 (0xFF741717)
YUV	50.8070, -13.7089, 57.1743
Hunter-Lab	20.9528, 28.6813, 11.1110

Details

The YIQ color **50.8070, 55.4280, 19.7160** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **88.1930, -55.4280, -19.7160**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **103.5750, 61.8930, 18.1890**, and **17.9400, 35.7600, 12.7200** is the 20% darker color. If you saturate the color by 10%, you get **42.3950, 62.5800, 22.2600**, and if you desaturate by 10%, it is **59.2190, 48.2760, 17.1720**.

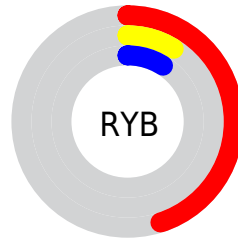
Distribution



Red (45%)

Green (9%)

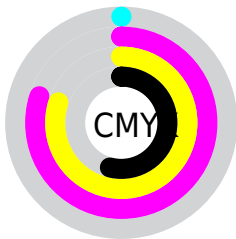
Blue (9%)



Red (45%)

Yellow (9%)

Blue (9%)

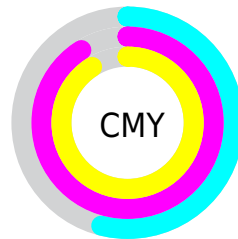


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (54%)



Cyan (54%)

Magenta (91%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.8070, 55.4280, 19.7160 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 50.8070, 55.4280, 19.7160 by changing the saturation by 10% instead.

■ 50.8070, 55.4280,
19.7160

■ 50.8070, 55.4280,
19.7160

■ 254.4300, 1.6050,
-1.5550

■ 26.3120, 52.4480,
18.6560

■ 103.5750, 61.8930,
18.1890

■ 17.9400, 35.7600,
12.7200

■ 130.5430, 64.9190,
18.4150

■ 9.6820, 18.7510,
7.0950

■ 157.5110, 67.9450,
18.6410

■ 0.0000, 0.0000,
0.0000

■ 182.6030, 64.6900,
17.0580

■ 202.0030, 48.6440,
10.5000

■ 221.6310, 31.9560,

4.5640

■ 241.8460, 14.9930,
-1.8950

■ 50.8070, 55.4280,
19.7160

■ 50.8070, 55.4280,
19.7160

■ 42.3950, 62.5800,
22.2600

■ 59.2190, 48.2760,
17.1720

■ 34.6840, 69.1360,
24.5920

■ 66.9300, 41.7200,
14.8400

■ 75.3420, 34.5680,
12.2960

■ 83.0530, 28.0120,
9.9640

■ 91.4650, 20.8600,
7.4200

■ 99.8770, 13.7080,
4.8760

■ 107.5880, 7.1520,
2.5440

■ 116.0000, -0.0000,
0.0000

■ 123.7110, -6.5560,
-2.3320

Harmonies

Analogous

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



46.3020, 50.3810, 39.6050



50.8070, 55.4280, 19.7160



55.4290, 46.9040, -2.0240

Triad

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



50.8070, 55.4280, 19.7160



45.0000, -27.5040, -30.1920



51.9150, -59.3760, 7.7920

Complementary

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



50.8070, 55.4280, 19.7160



88.1930, -55.4280, -19.7160

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.



55.6990, -59.0080, 1.1200



50.8070, 55.4280, 19.7160



50.3920, -39.9310, -19.7310

Square

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



50.8070, 55.4280, 19.7160



50.0820, 1.5640, -28.3560



54.4960, -51.4870, -8.5350



59.4970, -16.5560, 24.7240

Rectangle

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



50.8070, 55.4280, 19.7160



56.5040, 33.1510, -11.5930



54.4960, -51.4870, -8.5350



53.5620, -59.8800, 5.9120

Sweetspot

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



50.8070, 55.4280, 19.7160



124.7640, 21.4560, 7.6320



61.1100, 24.9790, 48.4270



60.8770, 13.7080, 4.8760



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

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



50.8070, 55.4280, 19.7160



49.0560, 85.8240, 30.5280



77.2220, 43.0530, -3.8190



54.7940, 3.5760, 1.2720



36.4780, 72.7120, 25.8640



74.7500, 149.0000, 53.0000

Inverse Universe

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



50.8070, 55.4280, 19.7160



49.0560, 85.8240, 30.5280



61.7780, -43.0530, 3.8190



54.7940, 3.5760, 1.2720



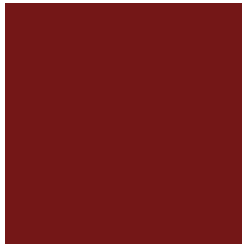
36.4780, 72.7120, 25.8640



74.7500, 149.0000, 53.0000

Previews

White Background



This preview shows how the YIQ color 50.8070, 55.4280, 19.7160 looks on a white background.

Color Contrast Check

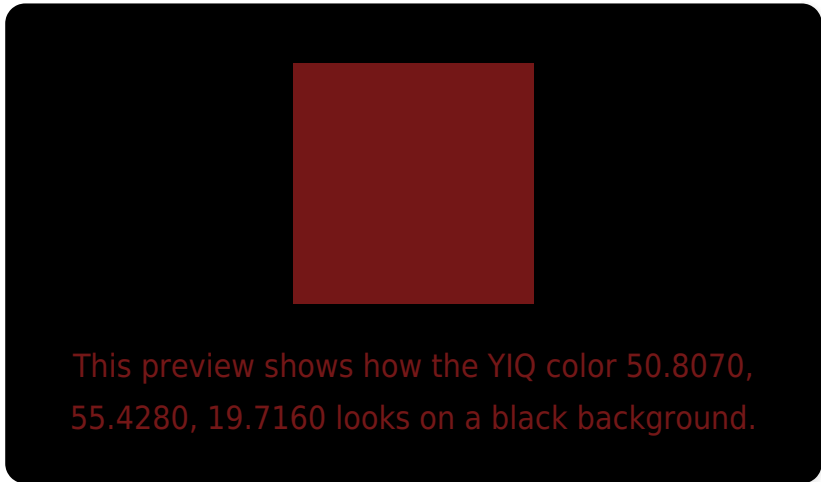
Large Text (above 18pt) WCAG AA ✓ Pass

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

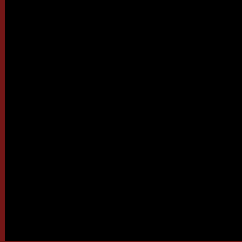
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 50.8070, 55.4280, 19.7160

Background



This preview shows how black text looks on a background with the YIQ color 50.8070, 55.4280, 19.7160.



This preview shows how white text looks on a background with the YIQ color 50.8070, 55.4280,

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

50.8070, 55.4280, 19.7160

Protanopia

59.7160, 12.2430, -7.1250

Deuteranopia

58.7790, 25.1270, -9.3450



Tritanopia

50.8070, 55.4280, 19.7160

Trichromacy



Original Color

50.8070, 55.4280, 19.7160

Protanomaly

56.4240, 28.1050, 2.7690

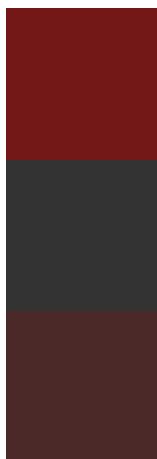
Deuteranomaly

55.6760, 36.0830, 1.3550

Tritanomaly

50.8070, 55.4280, 19.7160

Monochromacy



Original Color

50.8070, 55.4280, 19.7160

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

51.1660, 20.2640, 7.2080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.8070, 55.4280, 19.7160 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(116, 23, 23)` looks like.

```
.text, #text, p{  
    color:rgb(116, 23, 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(116, 23, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 23, 23) }
```

Border

The CSS property to change the border of an element to YIQ 50.8070, 55.4280, 19.7160 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(116, 23, 23) }
```


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

```
.border{ border-color:rgb(116, 23, 23) }
```

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

Here you see how a box with a 4 pixel rgb(116, 23, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 23, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 23, 23);  
box-shadow:4px 4px 4px 4px rgb(116, 23,  
23) }
```

Background

The CSS property to change the background color of an element to YIQ 50.8070, 55.4280, 19.7160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 23, 23) }
```

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

```
.background{ background-color: rgb(116, 23,  
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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