

Converting Colors

YIQ(45.7170, 19.6700, -4.0580)

Have a look what the booklet for
YIQ(45.7170, 19.6700, -4.0580)
contains.

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Color

**YIQ(45.7170, 19.6700,
-4.0580)**

Conversions

Conversions Part 1

Format	Color
Hex	3E2B11
RGB	62, 43, 17
RGB Percent	24%, 17%, 7%
CMY	0.7568, 0.8314, 0.9332
CMYK	0.00, 0.31, 0.73, 0.76
HSL	35°, 57%, 15%
HSV	35°, 73%, 24%
XYZ	2.9520, 2.7921, 0.9147
YIQ	45.7170, 19.6700, -4.0580

Conversions

Conversions Part 2

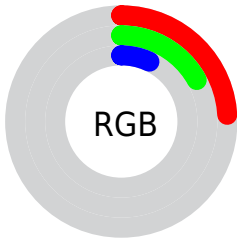
Format	Color
R_{YB}	50, 62, 17
Decimal	4074257
CIE Lab	19.19, 5.48, 20.01
CIE LCh	19, 20.743, 74.677
Yxy	2.7921, 0.4433, 0.4193
Android (android.graphics.Color)	4282264337 (0xFF3E2B11)
YUV	45.7170, -14.1575, 14.2802
Hunter-Lab	16.7095, 2.2934, 8.4512

Details

The YIQ color **45.7170, 19.6700, -4.0580** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **33.2830, -19.6700, 4.0580**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **91.9840, 23.2920, -3.6200**, and **1.4950, 2.9800, 1.0600** is the 20% darker color. If you saturate the color by 10%, you get **43.2720, 22.4210, -4.3550**, and if you desaturate by 10%, it is **48.1620, 16.9190, -3.7610**.

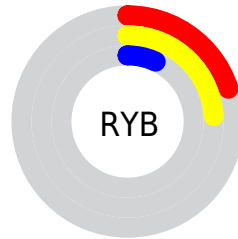
Distribution



 Red (24%)

 Green (17%)

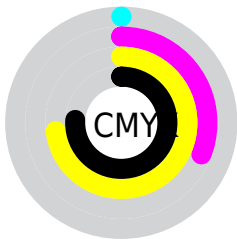
 Blue (7%)



 Red (20%)

 Yellow (24%)

 Blue (7%)

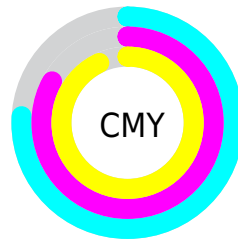


 Cyan (0%)

 Magenta (31%)

 Yellow (73%)

 Black (76%)



 Cyan (76%)

 Magenta (83%)

 Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.7170, 19.6700, -4.0580 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 45.7170, 19.6700, -4.0580 by changing the saturation by 10% instead.

■ 45.7170, 19.6700,
-4.0580

■ 45.7170, 19.6700,
-4.0580

■ 253.6320, 3.8520,
-3.7320

■ 24.8740, 17.7900,
-3.0260

■ 91.9840, 23.2920,
-3.6200

■ 1.4950, 2.9800,
1.0600

■ 117.0550, 24.5300,
-4.0300

■ 0.0000, 0.0000,
0.0000

■ 142.6530, 25.7220,
-3.6060

■ 168.8380, 26.6390,
-3.7050

■ 196.0230, 27.5560,
-3.8040

■ 224.2080, 28.4730,

-3.9030

■ 246.2170, 15.0860,
-9.0900

■ 45.7170, 19.6700,
-4.0580

■ 45.7170, 19.6700,
-4.0580

■ 43.2720, 22.4210,
-4.3550

■ 48.1620, 16.9190,
-3.7610

■ 41.4140, 24.8970,
-5.1750

■ 50.0200, 14.4430,
-2.9410

■ 39.6700, 27.0520,
-5.6840

■ 52.5790, 11.3710,
-2.3330

■ 54.4370, 8.8950,
-1.5130

■ 56.8820, 6.1440,
-1.2160

■ 59.3270, 3.3930,
-0.9190

■ 61.1850, 0.9170,
-0.0990

■ 63.7440, -2.1550,
0.5090

■ 66.1890, -4.9060,
0.8060

Harmonies

Analogous

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



46.7980, 24.1160, 3.4760



45.7170, 19.6700, -4.0580



44.3520, 10.2720, -9.9520

Triad

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



45.7170, 19.6700, -4.0580



37.8540, -32.1840, -11.4480



48.2750, 1.1440, 12.3120

Complementary

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



45.7170, 19.6700, -4.0580



33.2830, -19.6700, 4.0580

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.



46.1310, -16.1860, 6.9980



45.7170, 19.6700, -4.0580



38.7490, -36.0820, -6.8820

Square

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



45.7170, 19.6700, -4.0580



37.8240, -23.4720, -15.1520



37.9000, -37.8250, -2.8250



48.0440, 15.0360, 13.8520

Rectangle

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



45.7170, 19.6700, -4.0580



43.3940, 1.2860, -12.2980



37.9000, -37.8250, -2.8250



47.9970, -3.9450, 10.9270

Sweetspot

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



45.7170, 19.6700, -4.0580



75.2520, 7.9780, -1.4140



32.7350, 20.4000, 15.7600



36.8110, 4.9060, -0.8060



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000

Same Dimension

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



45.7170, 19.6700, -4.0580



56.2960, 31.0410, -6.3910



55.9730, 12.6570, -14.6310



29.4840, 1.5130, 0.1130



59.8040, 41.1740, -8.3140



141.5140, 97.1120, -19.8800

Inverse Universe

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



33.2830, -19.6700, 4.0580



36.7040, -31.0410, 6.3910



23.0270, -12.6570, 14.6310



28.9290, -1.2380, 0.4100



34.1960, -41.1740, 8.3140



80.4860, -97.1120, 19.8800

Previews

White Background



This preview shows how the YIQ color 45.7170, 19.6700, -4.0580 looks on a white background.

Color Contrast Check

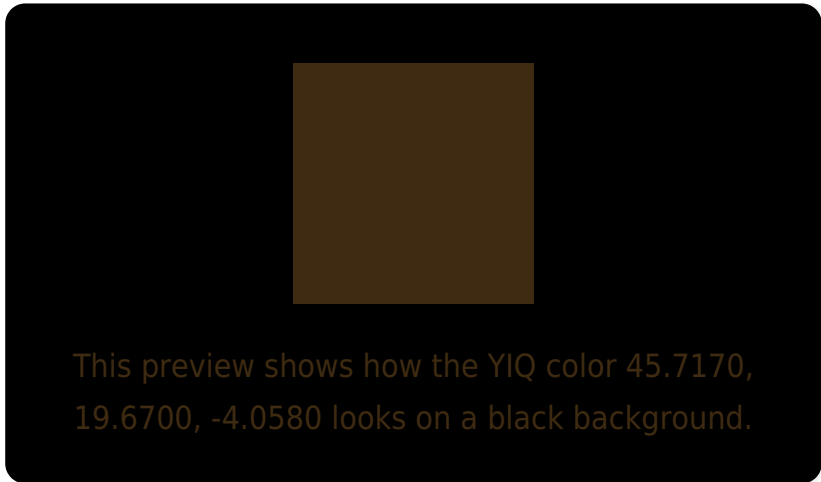
Large Text (above 18pt) WCAG AA ✓ Pass

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

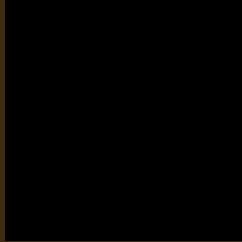
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.7170, 19.6700, -4.0580

Background



This preview shows how black text looks on a background with the YIQ color 45.7170, 19.6700, -4.0580.



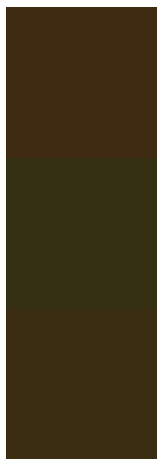
This preview shows how white text looks on a background with the YIQ color 45.7170, 19.6700,

-4.0580.

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

45.7170, 19.6700, -4.0580

Protanopia

45.1890, 12.2890, -7.9590

Deuteranopia

45.9940, 17.3320, -5.7400



Tritanopia

47.5180, 13.3410, 6.0210

Trichromacy



Original Color

45.7170, 19.6700, -4.0580

Protanomaly

45.7980, 14.9480, -6.5880

Deuteranomaly

45.7060, 18.2030, -5.0050

Tritanomaly

46.7800, 15.3590, 2.4870

Monochromacy



Original Color

45.7170, 19.6700, -4.0580

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

45.9530, 7.3820, -1.6260

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.7170, 19.6700, -4.0580 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(62, 43, 17)` looks like.

```
.text, #text, p{  
    color:rgb(62, 43, 17)  
}
```

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(62, 43, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 43, 17) }
```

Border

The CSS property to change the border of an element to YIQ 45.7170, 19.6700, -4.0580 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(62, 43, 17) }
```


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

```
.border{ border-color:rgb(62, 43, 17) }
```

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

Here you see how a box with a 4 pixel rgb(62, 43, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 43, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 43, 17);  
box-shadow:4px 4px 4px 4px rgb(62, 43, 17)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.7170, 19.6700, -4.0580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 43, 17) }
```

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

```
.background{ background-color: rgb(62, 43,  
17) }
```

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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