

# Converting Colors

YIQ(45.1720, 10.9590, -5.8810)

Have a look what the booklet for  
YIQ(45.1720, 10.9590, -5.8810)  
contains.

<b>YIQ(45.1720, 10.9590, -5.8810)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(45.1720, 10.9590,  
-5.8810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	342E17
RGB	52, 46, 23
RGB Percent	20%, 18%, 9%
CMY	0.7961, 0.8196, 0.9097
CMYK	0.00, 0.12, 0.56, 0.80
HSL	48°, 39%, 15%
HSV	48°, 56%, 20%
XYZ	2.5479, 2.7458, 1.2071
YIQ	45.1720, 10.9590, -5.8810

# Conversions

## Conversions Part 2

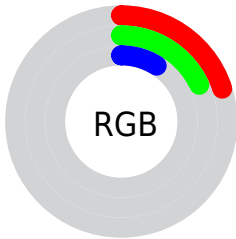
<b>Format</b>	<b>Color</b>
<b>RYB</b>	31, 52, 23
Decimal	3419671
CIELab	19.00, -1.20, 15.74
CIELCh	19, 15.787, 94.367
Yxy	2.7458, 0.3919, 0.4224
Android (android.graphics.Color)	4281609751 (0xFF342E17)
YUV	45.1720, -10.9308, 5.9882
Hunter-Lab	16.5704, -1.5518, 7.2801

# Details

The YIQ color **45.1720, 10.9590, -5.8810** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **29.8280, -10.9590, 5.8810**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **91.1290, 12.5180, -6.6020**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **44.0150, 12.8390, -6.9130**, and if you desaturate by 10%, it is **46.3290, 9.0790, -4.8490**.

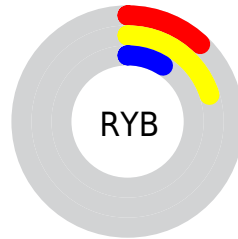
# Distribution



Red (20%)

Green (18%)

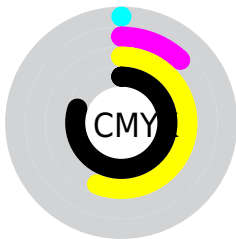
Blue (9%)



Red (12%)

Yellow (20%)

Blue (9%)

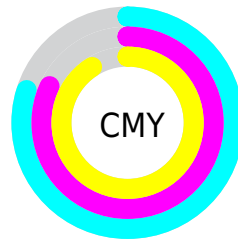


Cyan (0%)

Magenta (12%)

Yellow (56%)

Black (80%)



Cyan (80%)

Magenta (82%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 45.1720, 10.9590, -5.8810 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 45.1720, 10.9590, -5.8810 by changing the saturation by 10% instead.



■ 45.1720, 10.9590,  
-5.8810

■ 45.1720, 10.9590,  
-5.8810

■ 254.4300, 1.6050,  
-1.5550

■ 24.2430, 12.1970,  
-6.2910

■ 91.1290, 12.5180,  
-6.6020

■ 0.0000, 0.0000,  
0.0000

■ 115.7270, 13.7100,  
-6.1780

■ 141.4990, 14.3520,  
-6.8000

■ 167.7980, 14.9480,  
-6.5880

■ 194.6840, 15.2690,  
-6.8990

■ 222.9830, 15.8650,

-6.6870

■ 249.4770, 11.4180,  
-8.6940

■ 45.1720, 10.9590,  
-5.8810

■ 45.1720, 10.9590,  
-5.8810

■ 44.0150, 12.8390,  
-6.9130

■ 46.3290, 9.0790,  
-4.8490

■ 42.8580, 14.7190,  
-7.9450

■ 47.4860, 7.1990,  
-3.8170

■ 41.5870, 16.9200,  
-9.2880

■ 48.7570, 4.9980,  
-2.4740

■ 40.4300, 18.8000,  
-10.3200

■ 49.9140, 3.1180,  
-1.4420

■ 39.6150, 19.7170,  
-10.4190

■ 51.0710, 1.2380,  
-0.4100

■ 52.2280, -0.6420,  
0.6220

■ 53.9720, -2.7970,  
1.1310

■ 55.2430, -4.9980,  
2.4740

■ 56.4000, -6.8780,  
3.5060

# Harmonies

## Analogous

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



46.1560, 17.0560, -0.7360



45.1720, 10.9590, -5.8810



43.8010, 1.6980, -8.7500

# Triad

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



45.1720, 10.9590, -5.8810



37.2500, -33.2390, -8.8470



47.8150, 8.2510, 10.1630

# Complementary

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



45.1720, 10.9590, -5.8810



29.8280, -10.9590, 5.8810

# 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.



47.6010, -2.8900, 8.3260



45.1720, 10.9590, -5.8810



40.2770, -28.7010, -2.9810

# Square

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



45.1720, 10.9590, -5.8810



38.5730, -24.0230, -10.6710



45.0230, -16.0020, 3.6620



47.1810, 15.9080, 9.0600



# Rectangle

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



45.1720, 10.9590, -5.8810



42.8540, -5.8210, -10.1490



45.0230, -16.0020, 3.6620



47.6620, 4.3080, 10.0360

# Sweetspot

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



45.1720, 10.9590, -5.8810



65.8710, 4.6770, -2.1630



32.3550, 15.3580, 8.0140



34.0280, 2.7970, -1.1310



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000



# Same Dimension

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



45.1720, 10.9590, -5.8810



57.8860, 17.5160, -9.0760



46.3020, 4.5410, -10.7150



25.0710, 1.2380, -0.4100



68.2880, 33.5190, -18.2650



165.8470, 82.0320, -43.9520



# Inverse Universe

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



29.8280, -10.9590, 5.8810



33.5270, -17.2410, 9.5990



28.6980, -4.5410, 10.7150



23.3420, -0.9630, 0.9330



20.7120, -33.5190, 18.2650



51.1530, -82.0320, 43.9520



# Previews

## White Background



This preview shows how the YIQ color 45.1720, 10.9590, -5.8810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

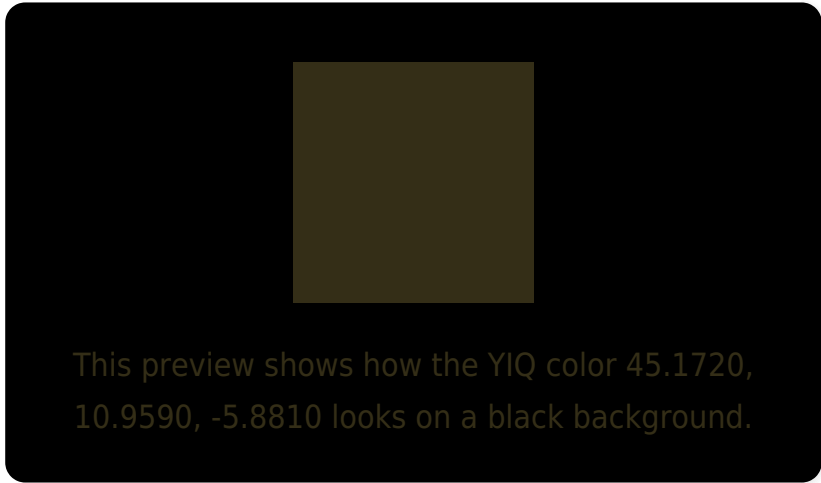
Any Text WCAG AA ✓ Pass

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

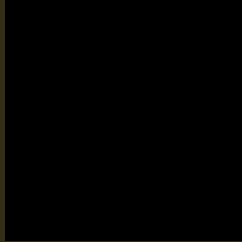
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 45.1720, 10.9590, -5.8810**

## **Background**



This preview shows how black text looks on a background with the YIQ color 45.1720, 10.9590, -5.8810.



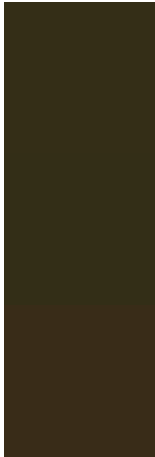
This preview shows how white text looks on a background with the YIQ color 45.1720, 10.9590,

-5.8810.

# 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

45.1720, 10.9590, -5.8810

### Protanopia

44.8730, 10.3630, -6.0930

### Deuteranopia

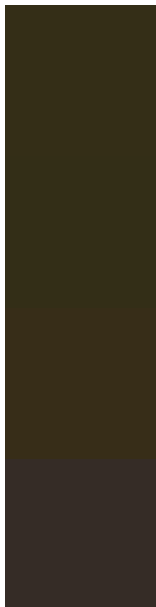
45.6070, 14.1680, -3.4640



## Tritanopia

46.7450, 5.2720, 3.5760

# Trichromacy



## Original Color

45.1720, 10.9590, -5.8810

## Protanomaly

44.8730, 10.3630, -6.0930

## Deuteranomaly

45.5960, 12.7010, -4.4110

## Tritanomaly

46.0070, 7.2900, 0.0420

# Monochromacy



## Original Color

45.1720, 10.9590, -5.8810

## Achromatopsia

45.0000, -0.0000, -0.0000

## Achromatomaly

44.9850, 4.3560, -1.8520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 45.1720, 10.9590, -5.8810 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(52, 46, 23)` looks like.

```
.text, #text, p{  
    color:rgb(52, 46, 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(52, 46, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 46, 23) }
```

## Border

The CSS property to change the border of an element to YIQ 45.1720, 10.9590, -5.8810 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(52, 46, 23) }
```



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

```
.border{ border-color:rgb(52, 46, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 46, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 46, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 46, 23);  
box-shadow:4px 4px 4px 4px rgb(52, 46, 23)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 45.1720, 10.9590, -5.8810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 46, 23) }
```

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

```
.background{ background-color: rgb(52, 46,  
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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor