

# Converting Colors

YIQ(47.2680, 1.8810, -6.5590)

Have a look what the booklet for  
YIQ(47.2680, 1.8810, -6.5590)  
contains.

<b>YIQ(47.2680, 1.8810, -6.5590)</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(47.2680, 1.8810,  
-6.5590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D3322
RGB	45, 51, 34
RGB Percent	18%, 20%, 13%
CMY	0.8236, 0.8000, 0.8666
CMYK	0.12, 0.00, 0.33, 0.80
HSL	81°, 20%, 17%
HSV	81°, 33%, 20%
XYZ	2.5547, 3.0411, 1.9661
YIQ	47.2680, 1.8810, -6.5590

# Conversions

## Conversions Part 2

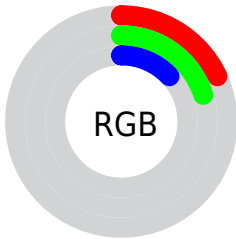
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 51, 40
Decimal	2962210
CIE Lab	20.21, -6.30, 9.96
CIE LCh	20, 11.780, 122.302
Yxy	3.0411, 0.3378, 0.4022
Android (android.graphics.Color)	4281152290 (0xFF2D3322)
YUV	47.2680, -6.5411, -1.9890
Hunter-Lab	17.4389, -4.3692, 5.5226

# Details

The YIQ color **47.2680, 1.8810, -6.5590** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **37.7320, -1.8810, 6.5590**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.0400, 2.5230, -7.1810**, and **0.5870, -0.2750, -0.5230** is the 20% darker color. If you saturate the color by 10%, you get **46.1000, 2.2940, -8.5380**, and if you desaturate by 10%, it is **48.4360, 1.4680, -4.5800**.

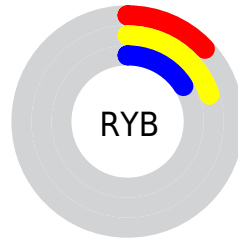
# Distribution



Red (18%)

Green (20%)

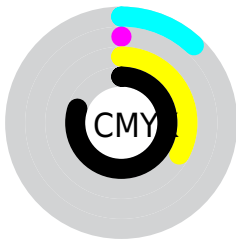
Blue (13%)



Red (13%)

Yellow (20%)

Blue (16%)

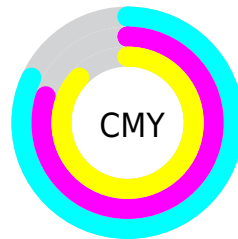


Cyan (12%)

Magenta (0%)

Yellow (33%)

Black (80%)



Cyan (82%)

Magenta (80%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 47.2680, 1.8810, -6.5590 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 47.2680, 1.8810, -6.5590 by changing the saturation by 10% instead.



■ 47.2680, 1.8810,  
-6.5590

■ 47.2680, 1.8810,  
-6.5590

■ 255.0000, -0.0000,  
-0.0000

■ 26.4530, 2.7980,  
-6.6580

■ 93.0400, 2.5230,  
-7.1810

■ 0.5870, -0.2750,  
-0.5230

■ 117.9260, 2.8440,  
-7.4920

■ 0.0000, 0.0000,  
0.0000

■ 143.5130, 2.5690,  
-8.0150

■ 169.8120, 3.1650,  
-7.8030

■ 197.3990, 2.8900,  
-8.3260

■ 225.3990, 2.8900,

-8.3260

251.6380, 3.7150,  
-6.7570

47.2680, 1.8810,  
-6.5590

47.2680, 1.8810,  
-6.5590

46.1000, 2.2940,  
-8.5380

48.4360, 1.4680,  
-4.5800

44.9320, 2.7070,  
-10.5170

49.6040, 1.0550,  
-2.6010

44.0630, 3.7160,  
-12.2840

50.4730, 0.0460,  
-0.8340

42.8950, 4.1290,  
-14.2630

51.6410, -0.3670,  
1.1450

41.7270, 4.5420,  
-16.2420

52.9230, -1.1010,  
3.4350

■ 40.4450, 5.2760,  
-18.5320

■ 54.0910, -1.5140,  
5.4140

■ 39.8040, 5.6430,  
-19.6770

■ 55.2590, -1.9270,  
7.3930

■ 56.1280, -2.9360,  
9.1600

■ 57.2960, -3.3490,  
11.1390

# Harmonies

## Analogous

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



47.9700, 8.7120, -3.7040



47.2680, 1.8810, -6.5590



46.1360, -6.5550, -7.8590

# Triad

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



47.2680, 1.8810, -6.5590



45.8930, -18.7520, -1.5680



49.5610, 11.7820, 6.7420

# Complementary

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



47.2680, 1.8810, -6.5590



37.7320, -1.8810, 6.5590

# 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.



50.2660, 5.3630, 7.4350



47.2680, 1.8810, -6.5590



47.9480, -11.4170, 3.1670

# Square

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



47.2680, 1.8810, -6.5590



44.3010, -20.0810, -5.0170



49.4330, -2.4770, 6.3470



49.5350, 14.6710, 3.9430



# Rectangle

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



47.2680, 1.8810, -6.5590



45.0260, -12.0570, -7.2650



49.4330, -2.4770, 6.3470



50.1910, 9.9480, 6.9400

# Sweetspot

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



47.2680, 1.8810, -6.5590



64.7180, 0.7340, -2.2900



42.6050, 8.4820, 0.4660



32.2450, 0.6880, -1.4560



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000



# Same Dimension

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



47.2680, 1.8810, -6.5590



60.3450, 2.9820, -9.9940



44.8760, -2.8870, -8.2550



25.3590, 0.3670, -1.1450



69.5850, 10.0930, -34.2510



169.2390, 23.7650, -83.8110



# Inverse Universe

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



37.7320, -1.8810, 6.5590



45.6550, -2.9820, 9.9940



40.1240, 2.8870, 8.2550



23.6410, -0.3670, 1.1450



19.7140, -9.4970, 34.4630

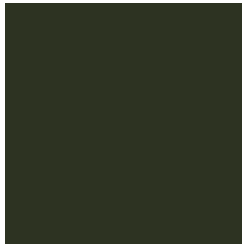


47.7610, -23.7650, 83.8110



# Previews

## White Background



This preview shows how the YIQ color 47.2680, 1.8810, -6.5590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

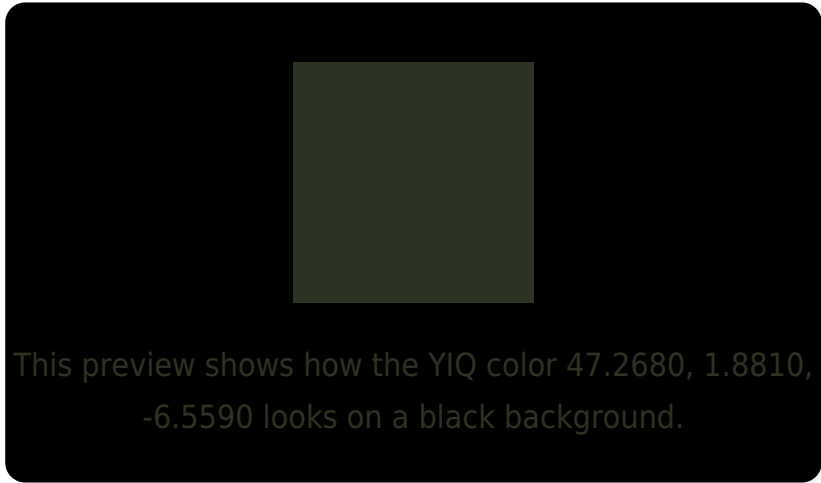
Any Text WCAG AA ✓ Pass

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

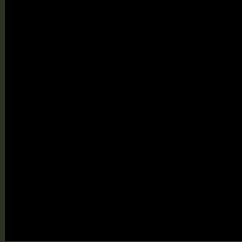
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

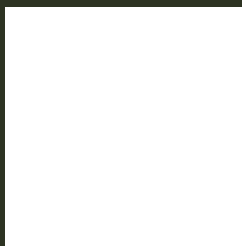
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 47.2680, 1.8810, -6.5590**

## **Background**



This preview shows how black text looks on a background with the YIQ color 47.2680, 1.8810, -6.5590.



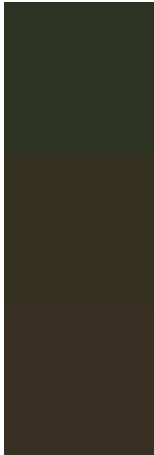
This preview shows how white text looks on a background with the YIQ color 47.2680, 1.8810,

-6.5590.

# 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

47.2680, 1.8810, -6.5590

### Protanopia

48.3720, 7.5200, -4.1280

### Deuteranopia

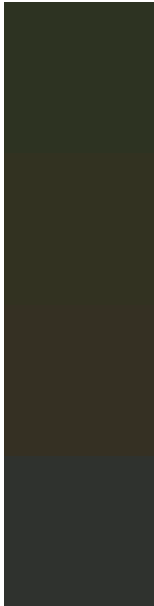
48.9210, 10.4080, -1.4000



**Tritanopia**

49.1570, -1.8800, 1.0320

# Trichromacy



## Original Color

47.2680, 1.8810, -6.5590

## Protanomaly

48.0620, 5.4570, -5.2870

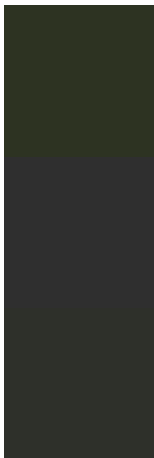
## Deuteranomaly

48.0130, 7.1530, -2.9830

## Tritanomaly

48.6470, -0.5040, -1.8800

# Monochromacy



## Original Color

47.2680, 1.8810, -6.5590

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.7180, 0.7340, -2.2900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 47.2680, 1.8810, -6.5590 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(45, 51, 34)` looks like.

```
.text, #text, p{  
    color:rgb(45, 51, 34)  
}
```

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(45, 51, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 51, 34) }
```

## Border

The CSS property to change the border of an element to YIQ 47.2680, 1.8810, -6.5590 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(45, 51, 34) }
```



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

```
.border{ border-color:rgb(45, 51, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 51, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 51, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 51, 34);  
box-shadow:4px 4px 4px 4px rgb(45, 51, 34)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 47.2680, 1.8810, -6.5590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 51, 34) }
```

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

```
.background{ background-color: rgb(45, 51,  
34) }
```

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