

# Converting Colors

YIQ(89.5990, 25.8140, -5.2740)

Have a look what the booklet for  
YIQ(89.5990, 25.8140, -5.2740)  
contains.

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# Color

**YIQ(89.5990, 25.8140,  
-5.2740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F5634
RGB	111, 86, 52
RGB Percent	44%, 34%, 20%
CMY	0.5647, 0.6628, 0.7959
CMYK	0.00, 0.23, 0.53, 0.56
HSL	35°, 36%, 32%
HSV	35°, 53%, 44%
XYZ	10.5043, 10.2823, 4.6837
YIQ	89.5990, 25.8140, -5.2740

# Conversions

## Conversions Part 2

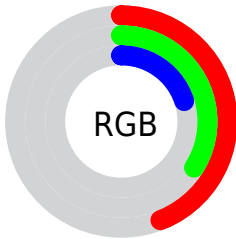
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 111, 52
Decimal	7296564
CIELab	38.34, 5.70, 23.62
CIELCh	38, 24.299, 76.426
Yxy	10.2823, 0.4124, 0.4037
Android (android.graphics.Color)	4285486644 (0xFF6F5634)
YUV	89.5990, -18.5363, 18.7687
Hunter-Lab	32.0660, 2.3583, 13.7859

# Details

The YIQ color **89.5990, 25.8140, -5.2740** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **73.4010, -25.8140, 5.2740**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.1540, 28.5650, -5.5710**, and **43.1040, 22.8340, -6.3340** is the 20% darker color. If you saturate the color by 10%, you get **85.4100, 30.7200, -6.0800**, and if you desaturate by 10%, it is **93.7880, 20.9080, -4.4680**.

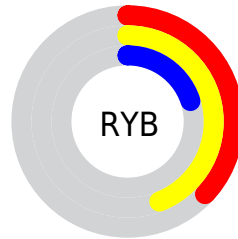
# Distribution



Red (44%)

Green (34%)

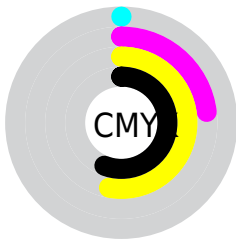
Blue (20%)



Red (37%)

Yellow (44%)

Blue (20%)

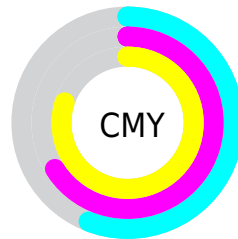


Cyan (0%)

Magenta (23%)

Yellow (53%)

Black (56%)



Cyan (56%)

Magenta (66%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 89.5990, 25.8140, -5.2740 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 89.5990, 25.8140, -5.2740 by changing the saturation by 10% instead.



■ 89.5990, 25.8140,  
-5.2740

■ 89.5990, 25.8140,  
-5.2740

■ 255.0000, -0.0000,  
-0.0000

■ 66.1150, 24.3010,  
-5.3870

■ 140.1540, 28.5650,  
-5.5710

■ 43.1040, 22.8340,  
-6.3340

■ 166.6380, 30.0780,  
-5.4580

■ 23.6890, 16.8730,  
-2.9270

■ 193.8230, 30.9950,  
-5.5570

■ 0.0000, 0.0000,  
0.0000

■ 222.0080, 31.9120,  
-5.6560

■ 243.4300, 18.8000,  
-10.3200

■ 252.4920, 7.0620,

-6.8420

■ 89.5990, 25.8140,  
-5.2740

■ 89.5990, 25.8140,  
-5.2740

■ 85.4100, 30.7200,  
-6.0800

■ 93.7880, 20.9080,  
-4.4680

■ 81.8080, 35.3510,  
-7.4090

■ 97.3900, 16.2770,  
-3.1390

■ 77.6190, 40.2570,  
-8.2150

■ 101.5790, 11.3710,  
-2.3330

■ 73.4300, 45.1630,  
-9.0210

■ 105.7680, 6.4650,  
-1.5270

■ 70.7570, 48.5560,  
-9.9400

■ 110.0710, 1.2380,  
-0.4100

■ 113.6730, -3.3930,  
0.9190

■ 117.8620, -8.2990,  
1.7250

■ 122.0510,  
-13.2050, 2.5310

■ 125.6530,  
-17.8360, 3.8600

# Harmonies

## Analogous

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



90.6310, 31.9560, 4.5640



89.5990, 25.8140, -5.2740



88.0270, 12.5650, -12.9630

# Triad

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



89.5990, 25.8140, -5.2740



74.6880, -52.4480, -18.6560



92.6930, 3.0230, 16.8070

# Complementary

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



89.5990, 25.8140, -5.2740



73.4010, -25.8140, 5.2740

# 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.



89.8690, -18.2040, 10.5320



89.5990, 25.8140, -5.2740



73.3590, -61.5270, -13.8070

# Square

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



89.5990, 25.8140, -5.2740



81.2750, -26.3600, -17.8800



83.8120, -40.3930, -0.3370



92.7890, 20.3080, 17.4280



# Rectangle

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



89.5990, 25.8140, -5.2740



86.2860, 1.4700, -15.6340



83.8120, -40.3930, -0.3370



92.5180, -3.8540, 14.7860

# Sweetspot

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



89.5990, 25.8140, -5.2740



136.5080, 10.1330, -1.9230



72.6050, 26.8180, 20.5940



68.8820, 6.1440, -1.2160



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.



89.5990, 25.8140, -5.2740



111.5050, 40.5780, -8.5260



103.0780, 16.5550, -19.1970



54.1420, 2.4760, -0.8200



76.3830, 52.5450, -10.6470



157.2070, 108.1620, -21.9020



# Inverse Universe

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



73.4010, -25.8140, 5.2740



86.0820, -40.8530, 8.0030



59.9220, -16.5550, 19.1970



52.4450, -2.7510, 0.2970



43.6170, -52.5450, 10.6470



89.7930, -108.1620, 21.9020



# Previews

## White Background



This preview shows how the YIQ color 89.5990, 25.8140, -5.2740 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 × Fail



# Black Background



This preview shows how the YIQ color 89.5990, 25.8140, -5.2740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

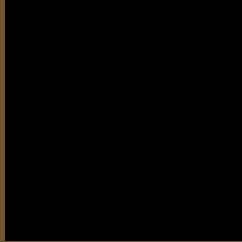
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 89.5990, 25.8140, -5.2740

## Background



This preview shows how black text looks on a background with the YIQ color 89.5990, 25.8140, -5.2740.



This preview shows how white text looks on a background with the YIQ color 89.5990, 25.8140,

-5.2740.

# 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

89.5990, 25.8140, -5.2740

### Protanopia

89.1740, 16.6450, -9.8110

### Deuteranopia

89.3000, 25.2180, -5.4860



## Tritanopia

92.2520, 17.1460, 8.6500

# Trichromacy



## Original Color

89.5990, 25.8140, -5.2740

## Protanomaly

89.0820, 19.9000, -8.2280

## Deuteranomaly

89.3000, 25.2180, -5.4860

## Tritanomaly

91.0580, 20.4480, 3.8720

# Monochromacy



## Original Color

89.5990, 25.8140, -5.2740

## Achromatopsia

90.0000, -0.0000, -0.0000

## Achromatomaly

90.2090, 9.5370, -2.1350

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 89.5990, 25.8140, -5.2740 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(111, 86, 52)` looks like.

```
.text, #text, p{  
    color:rgb(111, 86, 52)  
}
```

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(111, 86, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 86, 52) }
```

## Border

The CSS property to change the border of an element to YIQ 89.5990, 25.8140, -5.2740 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(111, 86, 52) }
```



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

```
.border{ border-color:rgb(111, 86, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 86, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 86, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 86, 52);  
box-shadow:4px 4px 4px 4px rgb(111, 86,  
52) }
```

# Background

The CSS property to change the background color of an element to YIQ 89.5990, 25.8140, -5.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 86, 52) }
```

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

```
.background{ background-color: rgb(111, 86,  
52) }
```

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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