

# Converting Colors

YIQ(36.5510, 36.0780, 28.9900)

Have a look what the booklet for  
YIQ(36.5510, 36.0780, 28.9900)  
contains.

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# Color

**YIQ(36.5510, 36.0780,  
28.9900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	59082E
RGB	89, 8, 46
RGB Percent	35%, 3%, 18%
CMY	0.6508, 0.9687, 0.8195
CMYK	0.00, 0.91, 0.48, 0.65
HSL	332°, 84%, 19%
HSV	332°, 91%, 35%
XYZ	4.7053, 2.4970, 2.8217
YIQ	36.5510, 36.0780, 28.9900

# Conversions

## Conversions Part 2

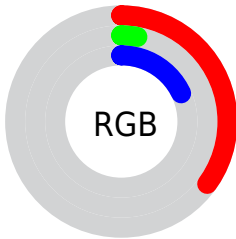
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">89, 8, 46</a>
Decimal	<a href="#">5834798</a>
CIELab	<a href="#">17.91, 37.45, -0.73</a>
CIElCh	<a href="#">18, 37.457, 358.885</a>
Yxy	<a href="#">2.4970, 0.4694, 0.2491</a>
Android (android.graphics.Color)	<a href="#">4284024878 (0xFF59082E)</a>
YUV	<a href="#">36.5510, 4.6584, 45.9978</a>
Hunter-Lab	<a href="#">15.8019, 25.4984, 0.4739</a>

# Details

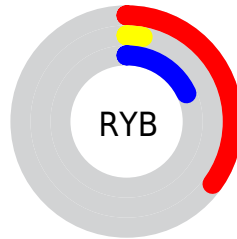
The YIQ color **36.5510, 36.0780, 28.9900** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **60.4490, -36.0780, -28.9900**, and the grayscale version is **36.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **89.6390, 38.6460, 26.5020**, and **12.3730, 24.1150, 9.0030** is the 20% darker color. If you saturate the color by 10%, you get **31.3990, 39.5620, 31.9300**, and if you desaturate by 10%, it is **42.4040, 31.9980, 25.8380**.

# Distribution



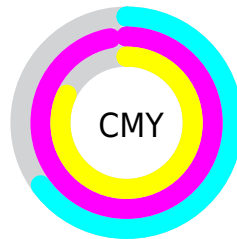
- Red (35%)
- Green (3%)
- Blue (18%)



- Red (35%)
- Yellow (3%)
- Blue (18%)



- Cyan (0%)
- Magenta (91%)
- Yellow (48%)
- Black (65%)




- Cyan (65%)
- Magenta (97%)
- Yellow (82%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 36.5510, 36.0780, 28.9900 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 36.5510, 36.0780, 28.9900 by changing the saturation by 10% instead.





 36.5510, 36.0780,  
28.9900


 36.5510, 36.0780,  
28.9900


 252.6520, 1.1000,  
2.0920


 21.6870, 29.5230,  
21.1310


 89.6390, 38.6460,  
26.5020


 12.3730, 24.1150,  
9.0030

 115.4220, 40.7550,  
26.8270

 0.0000, 0.0000,  
0.0000


 142.0200, 41.9470,  
27.2510


 168.9170, 43.7350,  
27.8870


 195.9170, 43.7350,  
27.8870


 215.5450, 27.0470,


21.9510


 235.2870, 10.0380,  
16.3260


 36.5510, 36.0780,  
28.9900


 36.5510, 36.0780,  
28.9900


 31.3990, 39.5620,  
31.9300

 42.4040, 31.9980,  
25.8380

 48.1430, 28.2390,  
22.3750

 53.9960, 24.1590,  
19.2230

 59.8490, 20.0790,  
16.0710

 65.7020, 15.9990,  
12.9190

■ 70.8540, 12.5150,  
9.9790

■ 76.7070, 8.4350,  
6.8270

■ 82.5600, 4.3550,  
3.6750

■ 88.4130, 0.2750,  
0.5230

# Harmonies

## Analogous

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



43.2480, 14.9420, 26.5740



36.5510, 36.0780, 28.9900



37.9840, 41.6280, 16.5080

# Triad

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



36.5510, 36.0780, 28.9900



38.6190, 4.7260, -19.5780



41.3710, -43.4650, 0.2710

# Complementary

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



36.5510, 36.0780, 28.9900



60.4490, -36.0780, -28.9900

# 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.



40.1510, -37.2740, -7.3060



36.5510, 36.0780, 28.9900



32.5930, -18.7480, -23.6760

# Square

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



36.5510, 36.0780, 28.9900



41.3980, 21.8260, -10.0940



37.0730, -28.6070, -15.7030



39.3480, -44.6580, 5.3740



# Rectangle

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



36.5510, 36.0780, 28.9900



39.7800, 41.7220, 3.7860



37.0730, -28.6070, -15.7030



41.2740, -41.8140, -2.1180

# Sweetspot

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



36.5510, 36.0780, 28.9900



94.8650, 13.9820, 10.9260



29.7920, -0.9690, 34.0950



46.7070, 8.4350, 6.8270



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

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



36.5510, 36.0780, 28.9900



40.5410, 51.2060, 41.1740



32.8060, 48.0010, 16.6490



40.4240, 1.7420, 1.4700



37.6930, 47.7220, 38.2340



82.8050, 104.7500, 84.0300



# Inverse Universe

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



36.5510, 36.0780, 28.9900



40.5410, 51.2060, 41.1740



64.1940, -48.0010, -16.6490



40.4240, 1.7420, 1.4700



37.6930, 47.7220, 38.2340

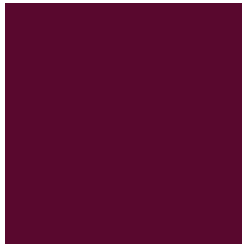


82.8050, 104.7500, 84.0300



# Previews

## White Background



This preview shows how the YIQ color 36.5510, 36.0780, 28.9900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

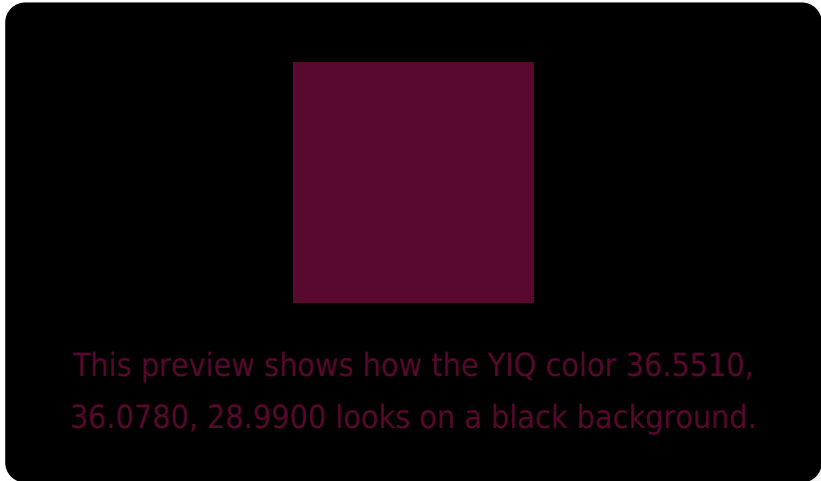
Any Text WCAG AA ✓ Pass

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

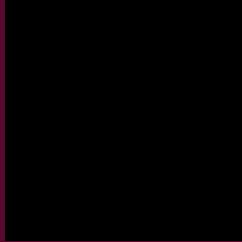
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 36.5510, 36.0780, 28.9900

## Background



This preview shows how black text looks on a background with the YIQ color 36.5510, 36.0780, 28.9900.



This preview shows how white text looks on a background with the YIQ color 36.5510, 36.0780,



# 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

36.5510, 36.0780, 28.9900

### Protanopia

46.7850, -9.4000, 5.1600

### Deuteranopia

47.0500, 5.7310, 0.7630



## Tritanopia

39.7450, 40.8030, 14.9390

# Trichromacy



## Original Color

36.5510, 36.0780, 28.9900

## Protanomaly

42.8520, 6.8290, 13.9090

## Deuteranomaly

43.4200, 16.7330, 10.6290

## Tritanomaly

38.4230, 39.0140, 19.8300

# Monochromacy



## Original Color

36.5510, 36.0780, 28.9900

## Achromatopsia

37.0000, -0.0000, 0.0000

## Achromatomaly

36.5660, 13.3860, 10.7140

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 36.5510, 36.0780, 28.9900 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(89, 8, 46)` looks like.

```
.text, #text, p{  
    color:rgb(89, 8, 46)  
}
```

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(89, 8, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 8, 46) }
```

## Border

The CSS property to change the border of an element to YIQ 36.5510, 36.0780, 28.9900 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(89, 8, 46) }
```



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

```
.border{ border-color:rgb(89, 8, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 8, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 8, 46); -webkit-box-shadow:4px  
4px 4px 4px rgb(89, 8, 46); box-shadow:4px  
4px 4px 4px rgb(89, 8, 46) }
```

# Background

The CSS property to change the background color of an element to YIQ 36.5510, 36.0780, 28.9900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 8, 46) }
```

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

```
.background{ background-color: rgb(89, 8,  
46) }
```

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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