

# Converting Colors

YIQ(36.6110, 53.0440, 18.8680)

Have a look what the booklet for  
YIQ(36.6110, 53.0440, 18.8680)  
contains.

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# Color

**YIQ(36.6110, 53.0440,  
18.8680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	630A0A
RGB	99, 10, 10
RGB Percent	39%, 4%, 4%
CMY	0.6116, 0.9609, 0.9606
CMYK	0.00, 0.90, 0.90, 0.61
HSL	360°, 82%, 21%
HSV	360°, 90%, 39%
XYZ	5.3147, 2.8940, 0.5672
YIQ	36.6110, 53.0440, 18.8680

# Conversions

## Conversions Part 2

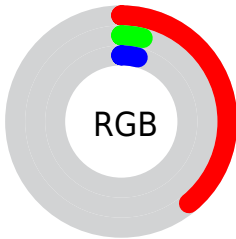
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 10, 10
Decimal	6490634
CIELab	19.61, 37.69, 25.71
CIELCh	20, 45.620, 34.296
Yxy	2.8940, 0.6056, 0.3298
Android (android.graphics.Color)	4284680714 (0xFF630A0A)
YUV	36.6110, -13.1192, 54.7152
Hunter-Lab	17.0117, 25.9954, 9.9315

# Details

The YIQ color **36.6110, 53.0440, 18.8680** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **72.3890, -53.0440, -18.8680**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **90.3680, 58.0420, 16.3940**, and **14.2810, 27.3700, 10.5860** is the 20% darker color. If you saturate the color by 10%, you get **29.6010, 59.0040, 20.9880**, and if you desaturate by 10%, it is **43.6210, 47.0840, 16.7480**.

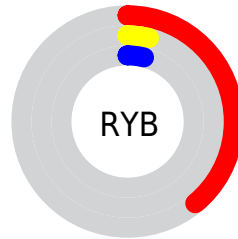
# Distribution



Red (39%)

Green (4%)

Blue (4%)



Red (39%)

Yellow (4%)

Blue (4%)

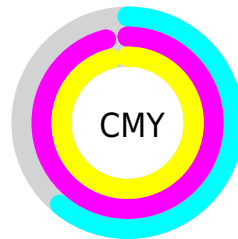


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (61%)



Cyan (61%)

Magenta (96%)


Yellow (96%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 36.6110, 53.0440, 18.8680 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 36.6110, 53.0440, 18.8680 by changing the saturation by 10% instead.





 36.6110, 53.0440,  
18.8680


 36.6110, 53.0440,  
18.8680

 252.0190, 7.0160,  
-6.0080


 21.2290, 42.3160,  
15.0520


 90.3680, 58.0420,  
16.3940

 14.2810, 27.3700,  
10.5860

 116.2220, 61.3890,  
16.3090

 0.0000, 0.0000,  
0.0000


 143.3040, 64.0940,  
16.8460


 170.9730, 66.5240,  
16.8600


 192.7760, 56.7130,  
12.9450


 211.5890, 40.9420,


6.9100


 231.8040, 23.9790,  
0.4510


 36.6110, 53.0440,  
18.8680


 36.6110, 53.0440,  
18.8680


 29.6010, 59.0040,  
20.9880

 43.6210, 47.0840,  
16.7480

 50.6310, 41.1240,  
14.6280

 57.6410, 35.1640,  
12.5080

 64.6510, 29.2040,  
10.3880

 71.0740, 23.5190,  
8.7910

■ 77.9700, 17.8800,  
6.3600

■ 84.9800, 11.9200,  
4.2400

■ 91.9900, 5.9600,  
2.1200

■ 99.0000, -0.0000,  
0.0000

# Harmonies

## Analogous

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



35.8130, 47.2640, 35.5200



36.6110, 53.0440, 18.8680



44.4760, 39.5220, -0.3980

# Triad

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



36.6110, 53.0440, 18.8680



36.4570, -21.3610, -25.8810



43.0470, -50.9400, 9.0920

# Complementary

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



36.6110, 53.0440, 18.8680



72.3890, -53.0440, -18.8680

# 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.



46.3580, -50.6180, 3.2540



36.6110, 53.0440, 18.8680



41.7350, -33.4670, -15.7310

# Square

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



36.6110, 53.0440, 18.8680



38.8520, -3.4800, -25.0480



45.4970, -44.0600, -5.4680



47.8240, -13.1630, 23.8050



# Rectangle

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



36.6110, 53.0440, 18.8680



45.2630, 26.6400, -9.2320



45.4970, -44.0600, -5.4680



44.8080, -51.7650, 7.5230

# Sweetspot

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



36.6110, 53.0440, 18.8680



103.4650, 20.8600, 7.4200



46.4580, 23.8790, 46.3350



49.2790, 12.5160, 4.4520



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



36.6110, 53.0440, 18.8680



38.2720, 76.2880, 27.1360



61.8520, 41.2190, -3.6210



45.1960, 2.3840, 0.8480



33.4880, 66.7520, 23.7440



71.7600, 143.0400, 50.8800



# Inverse Universe

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



36.6110, 53.0440, 18.8680



38.2720, 76.2880, 27.1360



47.1480, -41.2190, 3.6210



45.1960, 2.3840, 0.8480



33.4880, 66.7520, 23.7440

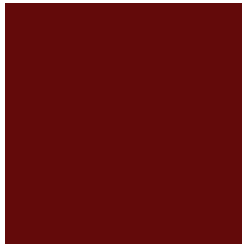


71.7600, 143.0400, 50.8800



# Previews

## White Background



This preview shows how the YIQ color 36.6110, 53.0440, 18.8680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

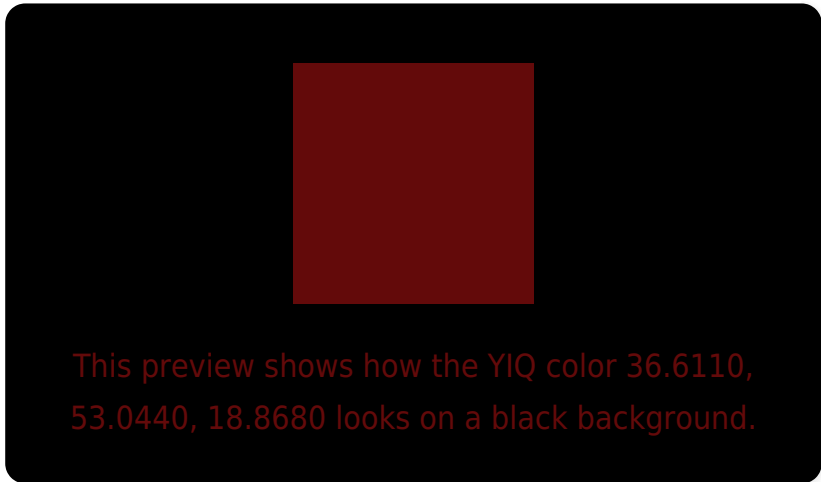
Any Text WCAG AA ✓ Pass

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

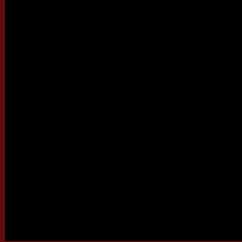
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 36.6110, 53.0440, 18.8680**

## **Background**



This preview shows how black text looks on a background with the YIQ color 36.6110, 53.0440, 18.8680.



This preview shows how white text looks on a background with the YIQ color 36.6110, 53.0440,



# 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

36.6110, 53.0440, 18.8680

### Protanopia

48.7330, 13.5730, -9.2030

### Deuteranopia

47.3120, 24.9440, -11.5360



## Tritanopia

36.2690, 54.0070, 17.9350

# Trichromacy



## Original Color

36.6110, 53.0440, 18.8680

## Protanomaly

44.3700, 28.1970, 1.1010

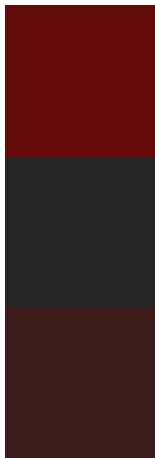
## Deuteranomaly

43.4370, 35.2580, -0.2140

## Tritanomaly

36.3830, 53.6860, 18.2460

# Monochromacy



## Original Color

36.6110, 53.0440, 18.8680

## Achromatopsia

37.0000, -0.0000, 0.0000

## Achromatomaly

36.8670, 19.6680, 6.9960

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 36.6110, 53.0440, 18.8680 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(99, 10, 10)` looks like.

```
.text, #text, p{  
    color:rgb(99, 10, 10)  
}
```

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(99, 10, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 10, 10) }
```

## Border

The CSS property to change the border of an element to YIQ 36.6110, 53.0440, 18.8680 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(99, 10, 10) }
```



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

```
.border{ border-color:rgb(99, 10, 10) }
```

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

Here you see how a box with a 4 pixel rgb(99, 10, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 10, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 10, 10);  
box-shadow:4px 4px 4px 4px rgb(99, 10, 10)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 36.6110, 53.0440, 18.8680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 10, 10) }
```

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

```
.background{ background-color: rgb(99, 10,  
10) }
```

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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