

# Converting Colors

YIQ(34.4010, 36.0800, 17.9360)

Have a look what the booklet for  
YIQ(34.4010, 36.0800, 17.9360)  
contains.

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# Color

**YIQ(34.4010, 36.0800,  
17.9360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	500D19
RGB	80, 13, 25
RGB Percent	31%, 5%, 10%
CMY	0.6861, 0.9491, 0.9018
CMYK	0.00, 0.84, 0.69, 0.69
HSL	349°, 72%, 18%
HSV	349°, 84%, 31%
XYZ	3.6313, 2.0648, 1.1288
YIQ	34.4010, 36.0800, 17.9360

# Conversions

## Conversions Part 2

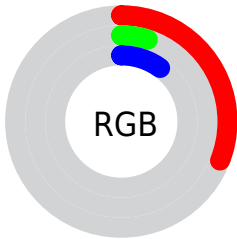
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 13, 25
Decimal	5246233
CIELab	15.82, 31.23, 11.26
CIELCh	16, 33.197, 19.825
Yxy	2.0648, 0.5321, 0.3025
Android (android.graphics.Color)	4283436313 (0xFF500D19)
YUV	34.4010, -4.6347, 39.9903
Hunter-Lab	14.3694, 19.9620, 5.4010

# Details

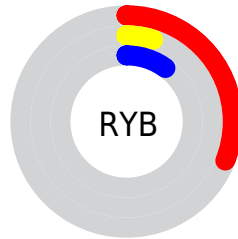
The YIQ color **34.4010, 36.0800, 17.9360** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **58.5990, -36.0800, -17.9360**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **84.2120, 40.9860, 17.1300**, and **7.8880, 15.1750, 5.8230** is the 20% darker color. If you saturate the color by 10%, you get **28.9070, 40.5270, 19.9430**, and if you desaturate by 10%, it is **39.8950, 31.6330, 15.9290**.

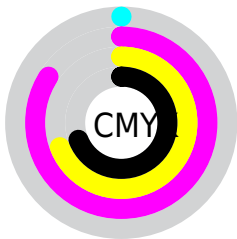
# Distribution



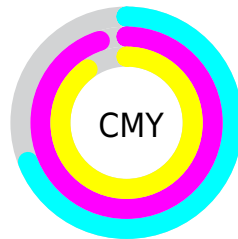
- Red (31%)
- Green (5%)
- Blue (10%)



- Red (31%)
- Yellow (5%)
- Blue (10%)



- Cyan (0%)
- Magenta (84%)
- Yellow (69%)
- Black (69%)



- Cyan (69%)
- Magenta (95%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 34.4010, 36.0800, 17.9360 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 34.4010, 36.0800, 17.9360 by changing the saturation by 10% instead.



■ 34.4010, 36.0800,  
17.9360

■ 34.4010, 36.0800,  
17.9360

■ 251.0220, 2.9340,  
1.8940

■ 16.4450, 32.7800,  
11.6600

■ 84.2120, 40.9860,  
17.1300

■ 7.8880, 15.1750,  
5.8230

■ 109.5820, 42.8200,  
16.9320

■ 0.0000, 0.0000,  
0.0000


■ 135.7780, 45.2040,  
17.7800


■ 162.5610, 47.3130,  
18.1050


■ 190.1590, 48.5050,  
18.5290


■ 211.1790, 36.5850,


14.2890


 230.8070, 19.8970,  
8.3530


 34.4010, 36.0800,  
17.9360


 34.4010, 36.0800,  
17.9360


 28.9070, 40.5270,  
19.9430


 39.8950, 31.6330,  
15.9290

 25.5160, 43.1860,  
21.3140

 45.2750, 27.5070,  
13.6110

 50.7690, 23.0600,  
11.6040

 56.1490, 18.9340,  
9.2860

 61.6430, 14.4870,  
7.2790

■ 67.0230, 10.3610,  
4.9610

■ 72.5170, 5.9140,  
2.9540

■ 78.0110, 1.4670,  
0.9470

■ 83.3910, -2.6590,  
-1.3710

# Harmonies

## Analogous

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



36.1260, 26.9090, 24.4530



34.4010, 36.0800, 17.9360



35.9150, 36.9080, 2.9240

# Triad

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



34.4010, 36.0800, 17.9360



28.4150, -12.3750, -23.5350



36.2190, -39.9810, 3.2110

# Complementary

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



34.4010, 36.0800, 17.9360



58.5990, -36.0800, -17.9360

# 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.



37.3130, -37.5500, -2.3020



34.4010, 36.0800, 17.9360



32.1830, -23.1050, -16.2970

# Square

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



34.4010, 36.0800, 17.9360



36.0050, 9.6310, -14.8570



35.6200, -31.4050, -9.0450



36.3780, -27.0070, 10.3770



# Rectangle

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



34.4010, 36.0800, 17.9360



37.6210, 28.7480, -3.3800



35.6200, -31.4050, -9.0450



36.5780, -39.6140, 2.0660

# Sweetspot

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



34.4010, 36.0800, 17.9360



86.6430, 14.4870, 7.2790



37.0830, 11.2730, 32.4970



42.4250, 9.1690, 4.5370



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000



# Same Dimension

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



34.4010, 36.0800, 17.9360



33.5610, 56.4810, 28.1690



45.3600, 34.1570, 3.2210



38.1960, 2.3840, 0.8480



74.1560, 124.7900, 62.2460

# Inverse Universe

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



34.4010, 36.0800, 17.9360



33.5610, 56.4810, 28.1690



47.6400, -34.1570, -3.2210



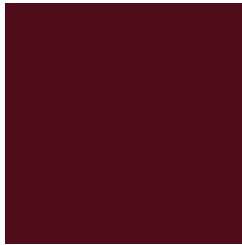
38.1960, 2.3840, 0.8480



74.1560, 124.7900, 62.2460

# Previews

## White Background



This preview shows how the YIQ color 34.4010, 36.0800, 17.9360 looks on a white background.

## Color Contrast Check

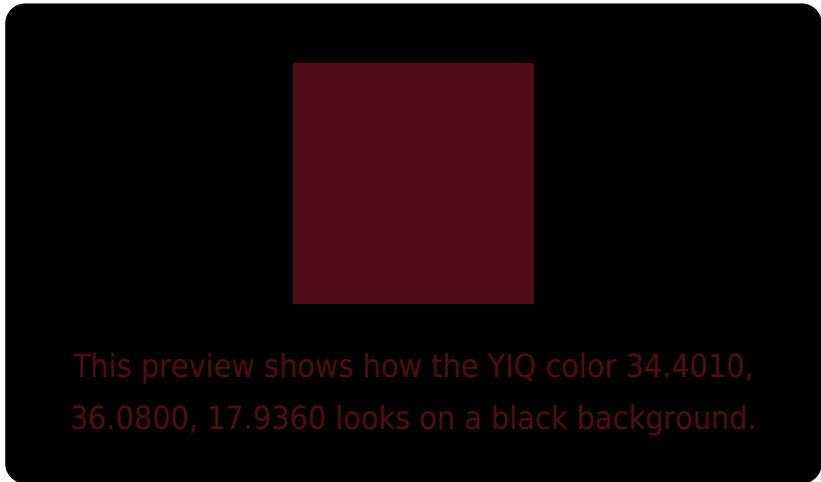
Large Text (above 18pt) WCAG AA ✓ Pass

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

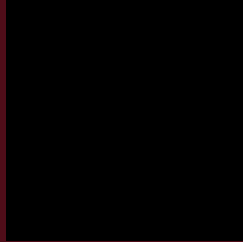
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 34.4010, 36.0800, 17.9360

## Background



This preview shows how black text looks on a background with the YIQ color 34.4010, 36.0800, 17.9360.



This preview shows how white text looks on a background with the YIQ color 34.4010, 36.0800,





# 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

34.4010, 36.0800, 17.9360

### Protanopia

41.9140, 3.1180, -1.4420

### Deuteranopia

41.1230, 12.6550, -3.5770



## Tritanopia

34.4350, 38.7400, 13.7800

# Trichromacy



## Original Color

34.4010, 36.0800, 17.9360

## Protanomaly

38.8880, 15.1750, 5.8230

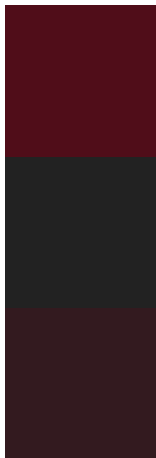
## Deuteranomaly

38.6560, 21.6400, 4.2960

## Tritanomaly

34.3040, 37.7310, 15.5470

# Monochromacy



## Original Color

34.4010, 36.0800, 17.9360

## Achromatopsia

34.0000, -0.0000, 0.0000

## Achromatomaly

34.0450, 13.2950, 6.8550

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 34.4010, 36.0800, 17.9360 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(80, 13, 25)` looks like.

```
.text, #text, p{  
    color:rgb(80, 13, 25)  
}
```

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(80, 13, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 13, 25) }
```

## Border

The CSS property to change the border of an element to YIQ 34.4010, 36.0800, 17.9360 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(80, 13, 25) }
```

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

```
.border{ border-color:rgb(80, 13, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 13, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 13, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 13, 25);  
box-shadow:4px 4px 4px 4px rgb(80, 13, 25)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 34.4010, 36.0800, 17.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 13, 25) }
```

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

```
.background{ background-color: rgb(80, 13,  
25) }
```

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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