

# Converting Colors

YIQ(43.4400, 40.3440, 17.7520)

Have a look what the booklet for  
YIQ(43.4400, 40.3440, 17.7520)  
contains.

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# Color

**YIQ(43.4400, 40.3440,  
17.7520)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D151D
RGB	93, 21, 29
RGB Percent	36%, 8%, 11%
CMY	0.6351, 0.9177, 0.8861
CMYK	0.00, 0.77, 0.69, 0.64
HSL	353°, 63%, 22%
HSV	353°, 77%, 36%
XYZ	5.0086, 2.9536, 1.4711
YIQ	43.4400, 40.3440, 17.7520

# Conversions

## Conversions Part 2

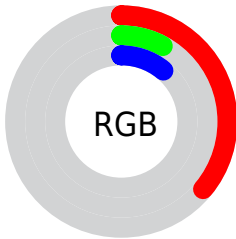
Format	Color
<b>RYB</b>	93, 21, 29
Decimal	6100253
CIELab	19.86, 32.90, 14.19
CIELCh	20, 35.827, 23.330
Yxy	2.9536, 0.5310, 0.3131
Android (android.graphics.Color)	4284290333 (0xFF5D151D)
YUV	43.4400, -7.1189, 43.4641
Hunter-Lab	17.1861, 21.9453, 6.9553

# Details

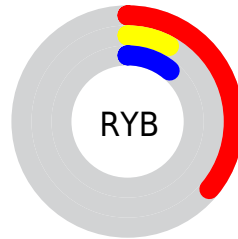
The YIQ color **43.4400, 40.3440, 17.7520** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **70.5600, -40.3440, -17.7520**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **93.5500, 45.8460, 17.1580**, and **13.2700, 25.9030, 9.6390** is the 20% darker color. If you saturate the color by 10%, you get **37.2450, 45.3870, 19.9710**, and if you desaturate by 10%, it is **49.6350, 35.3010, 15.5330**.

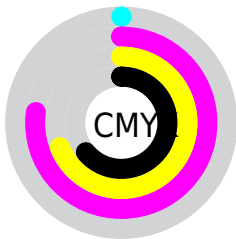
# Distribution



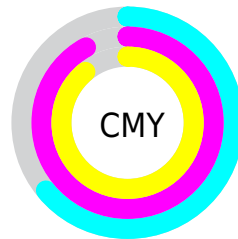
- Red (36%)
- Green (8%)
- Blue (11%)



- Red (36%)
- Yellow (8%)
- Blue (11%)



- Cyan (0%)
- Magenta (77%)
- Yellow (69%)
- Black (64%)




- Cyan (64%)
- Magenta (92%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 43.4400, 40.3440, 17.7520 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 43.4400, 40.3440, 17.7520 by changing the saturation by 10% instead.





 43.4400, 40.3440,  
17.7520


 43.4400, 40.3440,  
17.7520


255.0000, -0.0000,  
-0.0000


 20.4890, 38.6480,  
15.4480


 93.5500, 45.8460,  
17.1580


 13.2700, 25.9030,  
9.6390

 119.3330, 47.9550,  
17.4830

 0.0000, 0.0000,  
0.0000


 146.1160, 50.0640,  
17.8080


 173.0130, 51.8520,  
18.4440

 198.1050, 48.5970,  
16.8610


 217.6190, 32.2300,


10.6140


 237.3610, 15.2210,  
4.9890


 43.4400, 40.3440,  
17.7520


 43.4400, 40.3440,  
17.7520


 37.2450, 45.3870,  
19.9710


 49.6350, 35.3010,  
15.5330


 30.4630, 50.7050,  
22.7130

 56.5310, 29.6620,  
13.1020

 28.9470, 52.2180,  
22.8260

 62.7260, 24.6190,  
10.8830

 68.9210, 19.5760,  
8.6640

 75.1160, 14.5330,  
6.4450

■ 82.0120, 8.8940,  
4.0140

■ 88.2070, 3.8510,  
1.7950

■ 94.4020, -1.1920,  
-0.4240

■ 101.1840, -6.5100,  
-3.1660

# Harmonies

## Analogous

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



44.6320, 31.3560, 26.4600



43.4400, 40.3440, 17.7520



44.3020, 40.0720, 0.6480

# Triad

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



43.4400, 40.3440, 17.7520



35.0550, -20.1690, -25.4570



42.5110, -46.6750, 3.3810

# Complementary

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



43.4400, 40.3440, 17.7520



70.5600, -40.3440, -17.7520

# 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.



44.3060, -44.8400, -2.3440



43.4400, 40.3440, 17.7520



39.3070, -29.3860, -18.1060

# Square

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



43.4400, 40.3440, 17.7520



43.3700, 9.8610, -19.0270



42.9720, -38.3280, -10.2320



46.7530, -23.5690, 14.1510



# Rectangle

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



43.4400, 40.3440, 17.7520



45.5950, 31.6370, -6.1790



42.9720, -38.3280, -10.2320



43.4570, -46.5830, 1.7130

# Sweetspot

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



43.4400, 40.3440, 17.7520



100.7140, 15.7250, 6.8690



48.3440, 15.0320, 35.9600



49.3110, 9.4900, 4.2260



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000



# Same Dimension

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



43.4400, 40.3440, 17.7520



42.9700, 62.5790, 27.7870



58.9640, 35.2120, 0.6200



42.6090, 2.6590, 1.3710



34.2580, 61.7080, 27.0520



73.9410, 132.5850, 58.6410



# Inverse Universe

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



43.4400, 40.3440, 17.7520



42.9700, 62.5790, 27.7870



55.0360, -35.2120, -0.6200



42.6090, 2.6590, 1.3710



34.2580, 61.7080, 27.0520

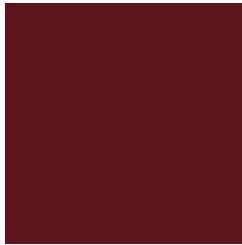


73.9410, 132.5850, 58.6410



# Previews

## White Background



This preview shows how the YIQ color 43.4400, 40.3440, 17.7520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

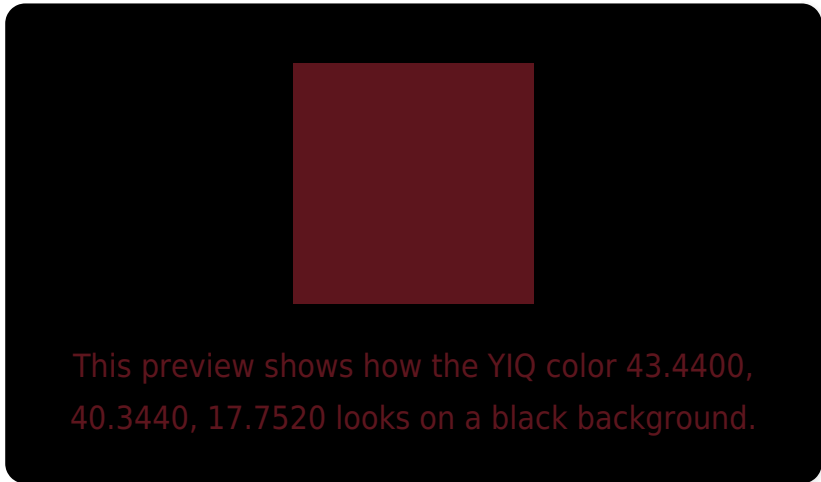
Any Text WCAG AA ✓ Pass

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

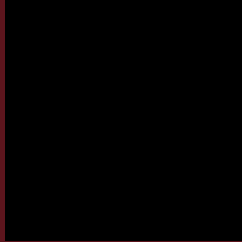
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 43.4400, 40.3440, 17.7520

## Background



This preview shows how black text looks on a background with the YIQ color 43.4400, 40.3440, 17.7520.



This preview shows how white text looks on a background with the YIQ color 43.4400, 40.3440,



# 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

43.4400, 40.3440, 17.7520

### Protanopia

49.7570, 4.9980, -2.4740

### Deuteranopia

49.2650, 15.1310, -4.3970



## Tritanopia

43.3430, 41.9950, 15.3630

# Trichromacy



## Original Color

43.4400, 40.3440, 17.7520

## Protanomaly

47.3290, 18.2470, 5.2150

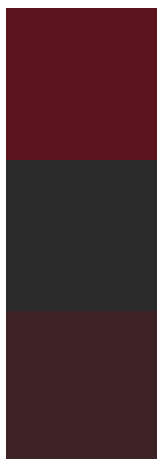
## Deuteranomaly

47.0970, 24.7120, 3.6880

## Tritanomaly

43.5710, 41.3530, 15.9850

# Monochromacy



## Original Color

43.4400, 40.3440, 17.7520

## Achromatopsia

43.0000, -0.0000, -0.0000

## Achromatomaly

43.1160, 14.5330, 6.4450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 43.4400, 40.3440, 17.7520 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(93, 21, 29)` looks like.

```
.text, #text, p{  
    color:rgb(93, 21, 29)  
}
```

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(93, 21, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 21, 29) }
```

## Border

The CSS property to change the border of an element to YIQ 43.4400, 40.3440, 17.7520 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(93, 21, 29) }
```



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

```
.border{ border-color:rgb(93, 21, 29) }
```

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

Here you see how a box with a 4 pixel rgb(93, 21, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 21, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 21, 29);  
box-shadow:4px 4px 4px 4px rgb(93, 21, 29)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 43.4400, 40.3440, 17.7520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 21, 29) }
```

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

```
.background{ background-color: rgb(93, 21,  
29) }
```

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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