

# Converting Colors

YIQ(66.4480, 19.5300, 9.4980)

Have a look what the booklet for  
YIQ(66.4480, 19.5300, 9.4980)  
contains.

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# Color

**YIQ(66.4480, 19.5300,  
9.4980)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B373D
RGB	91, 55, 61
RGB Percent	36%, 22%, 24%
CMY	0.6430, 0.7844, 0.7607
CMYK	0.00, 0.40, 0.33, 0.64
HSL	350°, 25%, 29%
HSV	350°, 40%, 36%
XYZ	6.5249, 5.2934, 5.0953
YIQ	66.4480, 19.5300, 9.4980

# Conversions

## Conversions Part 2

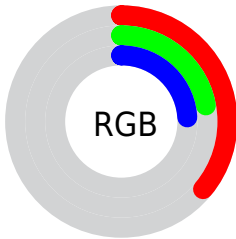
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 55, 61
Decimal	5977917
CIE <sub>Lab</sub>	27.55, 16.99, 3.02
CIE <sub>LCh</sub>	28, 17.261, 10.084
Yxy	5.2934, 0.3858, 0.3130
Android (android.graphics.Color)	4284167997 (0xFF5B373D)
YUV	66.4480, -2.6859, 21.5321
Hunter-Lab	23.0073, 10.3600, 2.9744

# Details

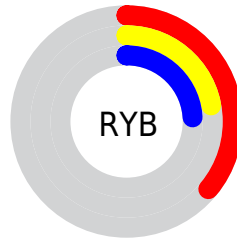
The YIQ color **66.4480, 19.5300, 9.4980** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **79.5520, -19.5300, -9.4980**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **114.6440, 21.9140, 10.3460**, and **22.0670, 16.2290, 8.7490** is the 20% darker color. If you saturate the color by 10%, you get **60.2530, 24.5730, 11.7170**, and if you desaturate by 10%, it is **72.6430, 14.4870, 7.2790**.

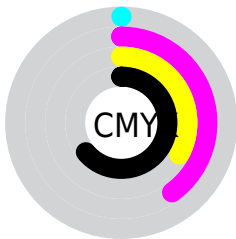
# Distribution



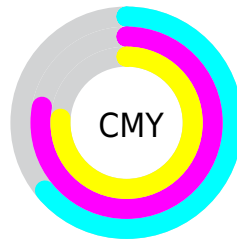
- Red (36%)
- Green (22%)
- Blue (24%)



- Red (36%)
- Yellow (22%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (33%)
- Black (64%)



- Cyan (64%)
- Magenta (78%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.4480, 19.5300, 9.4980 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 66.4480, 19.5300, 9.4980 by changing the saturation by 10% instead.



■ 66.4480, 19.5300,  
9.4980

■ 66.4480, 19.5300,  
9.4980

■ 255.0000, -0.0000,  
-0.0000

■ 43.8500, 18.3380,  
9.0740

■ 114.6440, 21.9140,  
10.3460

■ 22.3660, 16.8250,  
8.9610

■ 140.9430, 22.5100,  
10.5580

■ 4.7840, 9.5360,  
3.3920

■ 167.5410, 23.7020,  
10.9820

■ 0.0000, 0.0000,  
0.0000

■ 194.8400, 24.2980,  
11.1940

■ 222.4380, 25.4900,  
11.6180

■ 243.0660, 8.8020,

5.6820

■ 66.4480, 19.5300,  
9.4980

■ 66.4480, 19.5300,  
9.4980

■ 60.2530, 24.5730,  
11.7170

■ 72.6430, 14.4870,  
7.2790

■ 54.1720, 29.2950,  
14.2470

■ 78.7240, 9.7650,  
4.7490

■ 47.9770, 34.3380,  
16.4660

■ 84.9190, 4.7220,  
2.5300

■ 41.8960, 39.0600,  
18.9960

■ 91.0000, -0.0000,  
-0.0000

■ 35.1140, 44.3780,  
21.7380

■ 97.1950, -5.0430,  
-2.2190

■ 29.0330, 49.1000,  
24.2680

■ 103.8630,  
-10.0400, -5.2720

■ 28.9190, 49.4210,  
23.9570

■ 110.0580,  
-15.0830, -7.4910

■ 116.2530,  
-20.1260, -9.7100

■ 122.3340,  
-24.8480, -12.2400

# Harmonies

## Analogous

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



66.7230, 11.5060, 11.7460



66.4480, 19.5300, 9.4980



65.6560, 21.6400, 4.2960

# Triad

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



66.4480, 19.5300, 9.4980



61.9640, -0.3190, -10.7430



60.6300, -28.1970, -1.1010

# Complementary

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



66.4480, 19.5300, 9.4980



79.5520, -19.5300, -9.4980

# 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.



56.4070, -35.1190, -7.8150



66.4480, 19.5300, 9.4980



60.3090, -14.5320, -11.9720

# Square

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



66.4480, 19.5300, 9.4980



64.1180, 11.0510, -7.5490



57.3060, -27.6450, -11.1090



64.6750, -14.9020, 5.7540



# Rectangle

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



66.4480, 19.5300, 9.4980



65.5370, 20.3570, 0.0130



57.3060, -27.6450, -11.1090



59.1950, -31.4060, -3.5180

# Sweetspot

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



66.4480, 19.5300, 9.4980



107.5280, 7.3810, 3.9010



67.7750, 5.7280, 17.3440



52.9190, 4.7220, 2.5300



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.



66.4480, 19.5300, 9.4980



78.7700, 30.4870, 14.6710



72.2210, 18.4310, 1.8790



42.6090, 2.6590, 1.3710



34.9420, 59.7820, 28.9180



75.4230, 128.4120, 62.6840



# Inverse Universe

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



66.4480, 19.5300, 9.4980



78.7700, 30.4870, 14.6710



73.7790, -18.4310, -1.8790



42.6090, 2.6590, 1.3710



34.9420, 59.7820, 28.9180

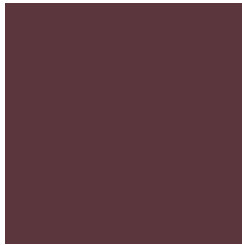


75.4230, 128.4120, 62.6840



# Previews

## White Background



This preview shows how the YIQ color 66.4480, 19.5300, 9.4980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

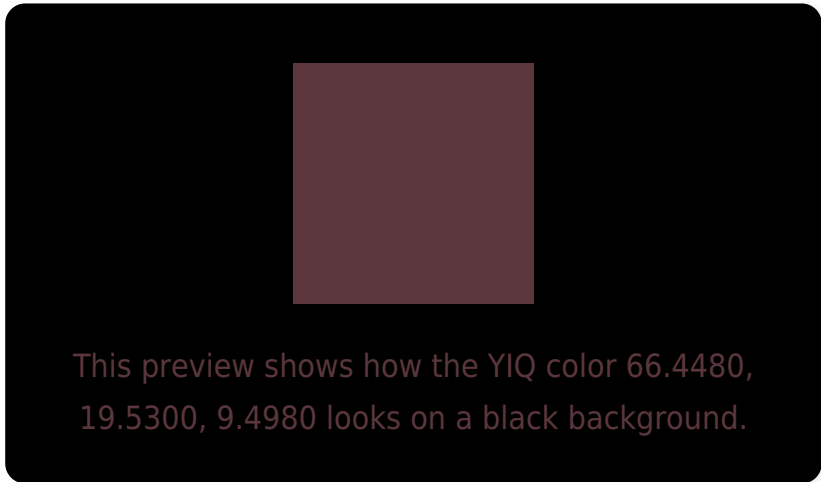
Any Text WCAG AA ✓ Pass

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

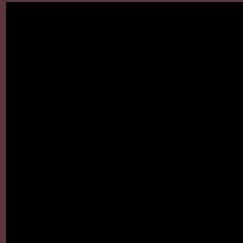
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 66.4480, 19.5300, 9.4980**

## **Background**



This preview shows how black text looks on a background with the YIQ color 66.4480, 19.5300, 9.4980.



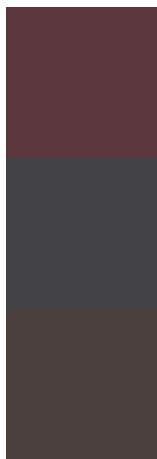
This preview shows how white text looks on a background with the YIQ color 66.4480, 19.5300,



# 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

66.4480, 19.5300, 9.4980

### Protanopia

65.5270, -0.0460, 0.8340

### Deuteranopia

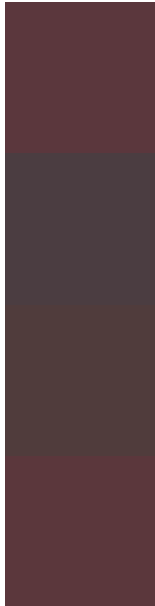
65.9470, 7.5190, 1.3990



## Tritanopia

66.2200, 20.1720, 8.8760

# Trichromacy



## Original Color

66.4480, 19.5300, 9.4980

## Protanomaly

65.6420, 7.0600, 4.2120

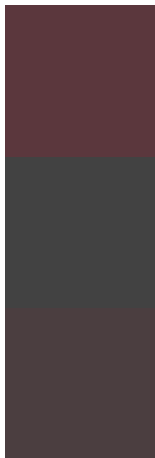
## Deuteranomaly

65.9800, 11.9200, 4.2400

## Tritanomaly

66.3340, 19.8510, 9.1870

# Monochromacy



## Original Color

66.4480, 19.5300, 9.4980

## Achromatopsia

66.0000, -0.0000, -0.0000

## Achromatomaly

66.1150, 7.1060, 3.3780

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.4480, 19.5300, 9.4980 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(91, 55, 61)` looks like.

```
.text, #text, p{  
    color:rgb(91, 55, 61)  
}
```

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(91, 55, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 55, 61) }
```

## Border

The CSS property to change the border of an element to YIQ 66.4480, 19.5300, 9.4980 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(91, 55, 61) }
```



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

```
.border{ border-color:rgb(91, 55, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 55, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 55, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 55, 61);  
box-shadow:4px 4px 4px 4px rgb(91, 55, 61)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 66.4480, 19.5300, 9.4980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 55, 61) }
```

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

```
.background{ background-color: rgb(91, 55,  
61) }
```

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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