

# Converting Colors

YIQ(32.7680, 51.1640, 19.9000)

Have a look what the booklet for  
YIQ(32.7680, 51.1640, 19.9000)  
contains.

<b>YIQ(32.7680, 51.1640, 19.9000)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(32.7680, 51.1640,  
19.9000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5E060A
RGB	94, 6, 10
RGB Percent	37%, 2%, 4%
CMY	0.6312, 0.9766, 0.9606
CMYK	0.00, 0.94, 0.89, 0.63
HSL	357°, 88%, 20%
HSV	357°, 94%, 37%
XYZ	4.7414, 2.5340, 0.5278
YIQ	32.7680, 51.1640, 19.9000

# Conversions

## Conversions Part 2

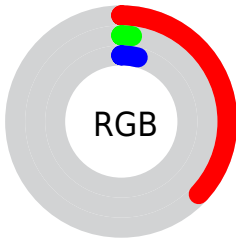
Format	Color
<a href="#">RYB</a>	<a href="#">94, 6, 10</a>
Decimal	<a href="#">6161930</a>
CIELab	<a href="#">18.07, 37.20, 23.61</a>
CIElCh	<a href="#">18, 44.058, 32.401</a>
Yxy	<a href="#">2.5340, 0.6076, 0.3247</a>
Android (android.graphics.Color)	<a href="#">4284352010 (0xFF5E060A)</a>
YUV	<a href="#">32.7680, -11.2246, 53.7005</a>
Hunter-Lab	<a href="#">15.9186, 25.3095, 9.1770</a>

# Details

The YIQ color **32.7680, 51.1640, 19.9000** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **67.2320, -51.1640, -19.9000**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **86.9980, 56.2080, 16.5920**, and **12.6720, 24.7110, 9.2150** is the 20% darker color. If you saturate the color by 10%, you get **28.5620, 54.7400, 21.1720**, and if you desaturate by 10%, it is **39.0770, 45.8000, 17.9920**.

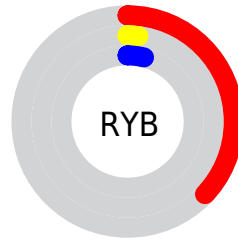
# Distribution



Red (37%)

Green (2%)

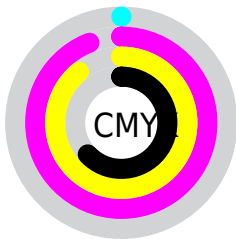
Blue (4%)



Red (37%)

Yellow (2%)

Blue (4%)

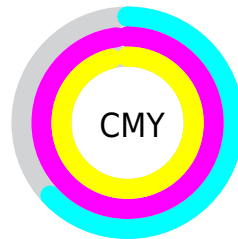


Cyan (0%)

Magenta (94%)

Yellow (89%)

Black (63%)



Cyan (63%)

Magenta (98%)


Yellow (96%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 32.7680, 51.1640, 19.9000 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 32.7680, 51.1640, 19.9000 by changing the saturation by 10% instead.





 32.7680, 51.1640,  
19.9000


 32.7680, 51.1640,  
19.9000

 249.6710, 8.1160,  
-3.9160


 19.7340, 39.3360,  
13.9920


 87.1120, 55.8870,  
16.9030


 12.6720, 24.7110,  
9.2150

 112.9660, 59.2340,  
16.8180

 0.0000, 0.0000,  
0.0000


 139.6350, 61.6640,  
16.8320


 166.7170, 64.3690,  
17.3690


 190.3140, 58.1340,  
14.7260


 209.8280, 41.7670,


8.4790


 229.4560, 25.0790,  
2.5430


 32.7680, 51.1640,  
19.9000


 32.7680, 51.1640,  
19.9000


 28.5620, 54.7400,  
21.1720

 39.0770, 45.8000,  
17.9920

 45.9730, 40.1610,  
15.5610

 52.2820, 34.7970,  
13.6530

 59.1780, 29.1580,  
11.2220

 65.4870, 23.7940,  
9.3140

■ 71.7960, 18.4300,  
7.4060

■ 78.6920, 12.7910,  
4.9750

■ 85.0010, 7.4270,  
3.0670

■ 91.8970, 1.7880,  
0.6360

# Harmonies

## Analogous

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



33.9050, 44.0090, 33.9370



32.7680, 51.1640, 19.9000



40.9320, 38.2380, 0.8460

# Triad

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



32.7680, 51.1640, 19.9000



33.5390, -18.6560, -25.3440



40.6020, -48.1890, 8.7950

# Complementary

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



32.7680, 51.1640, 19.9000



67.2320, -51.1640, -19.9000

# 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.



43.7990, -47.5460, 2.6460



32.7680, 51.1640, 19.9000



38.7030, -30.4410, -15.5050

# Square

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



32.7680, 51.1640, 19.9000



36.5040, -2.3800, -22.9560



42.3510, -40.7130, -5.5530



43.8020, -16.0970, 21.9110



# Rectangle

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



32.7680, 51.1640, 19.9000



42.0180, 25.9520, -7.7760



42.3510, -40.7130, -5.5530



42.2490, -48.6930, 6.9150

# Sweetspot

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



32.7680, 51.1640, 19.9000



98.3940, 19.6220, 7.8300



41.1480, 21.8160, 45.1760



46.3930, 12.1950, 4.7630



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.



32.7680, 51.1640, 19.9000



37.1620, 70.7860, 27.7300



55.7920, 41.4480, -2.2640



42.6090, 2.6590, 1.3710



33.4600, 63.9550, 24.8750



72.1170, 137.7210, 53.6650



# Inverse Universe

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



32.7680, 51.1640, 19.9000



37.1620, 70.7860, 27.7300



44.2080, -41.4480, 2.2640



42.6090, 2.6590, 1.3710



33.4600, 63.9550, 24.8750

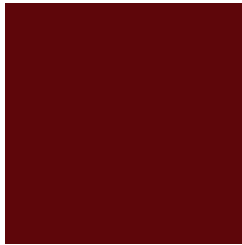


72.1170, 137.7210, 53.6650



# Previews

## White Background



This preview shows how the YIQ color 32.7680, 51.1640, 19.9000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

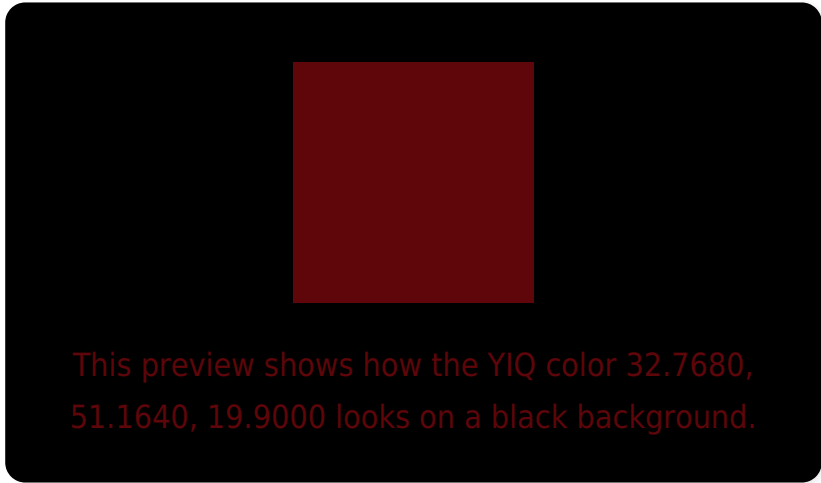
Any Text WCAG AA ✓ Pass

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

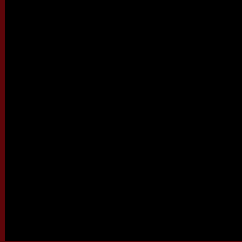
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 32.7680, 51.1640, 19.9000**

## **Background**



This preview shows how black text looks on a background with the YIQ color 32.7680, 51.1640, 19.9000.



This preview shows how white text looks on a background with the YIQ color 32.7680, 51.1640,



# 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

32.7680, 51.1640, 19.9000

### Protanopia

46.0750, 12.6100, -8.2700

### Deuteranopia

44.3550, 23.3850, -10.8150



## Tritanopia

32.8020, 53.8240, 15.7440

# Trichromacy



## Original Color

32.7680, 51.1640, 19.9000

## Protanomaly

41.4130, 26.6380, 1.8220

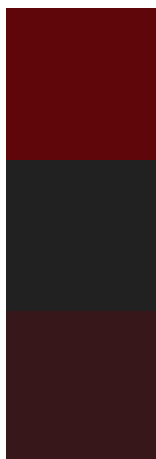
## Deuteranomaly

40.1810, 33.1030, 0.2950

## Tritanomaly

32.6710, 52.8150, 17.5110

# Monochromacy



## Original Color

32.7680, 51.1640, 19.9000

## Achromatopsia

33.0000, -0.0000, -0.0000

## Achromatomaly

32.7960, 18.4300, 7.4060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 32.7680, 51.1640, 19.9000 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(94, 6, 10)` looks like.

```
.text, #text, p{  
    color:rgb(94, 6, 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(94, 6, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 6, 10) }
```

## Border

The CSS property to change the border of an element to YIQ 32.7680, 51.1640, 19.9000 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(94, 6, 10) }
```



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

```
.border{ border-color:rgb(94, 6, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 6, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 6, 10); -webkit-box-shadow:4px  
4px 4px 4px rgb(94, 6, 10); box-shadow:4px  
4px 4px 4px rgb(94, 6, 10) }
```

# Background

The CSS property to change the background color of an element to YIQ 32.7680, 51.1640, 19.9000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 6, 10) }
```

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

```
.background{ background-color: rgb(94, 6,  
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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