

# Converting Colors

YIQ(32.5540, 40.0230, 18.0630)

Have a look what the booklet for  
YIQ(32.5540, 40.0230, 18.0630)  
contains.

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# Color

**YIQ(32.5540, 40.0230,  
18.0630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	520A13
RGB	82, 10, 19
RGB Percent	32%, 4%, 7%
CMY	0.6783, 0.9609, 0.9253
CMYK	0.00, 0.88, 0.77, 0.68
HSL	352°, 78%, 18%
HSV	352°, 88%, 32%
XYZ	3.7097, 2.0594, 0.8198
YIQ	32.5540, 40.0230, 18.0630

# Conversions

## Conversions Part 2

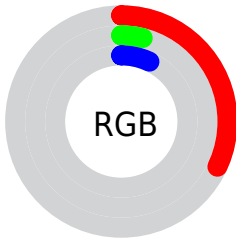
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 10, 19
Decimal	5376531
CIELab	15.80, 32.55, 15.51
CIELCh	16, 36.057, 25.474
Yxy	2.0594, 0.5630, 0.3126
Android (android.graphics.Color)	4283566611 (0xFF520A13)
YUV	32.5540, -6.6821, 43.3641
Hunter-Lab	14.3507, 21.0287, 6.6584

# Details

The YIQ color **32.5540, 40.0230, 18.0630** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **59.4460, -40.0230, -18.0630**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **83.4250, 44.7000, 15.9000**, and **8.4860, 16.3670, 6.2470** is the 20% darker color. If you saturate the color by 10%, you get **27.0600, 44.4700, 20.0700**, and if you desaturate by 10%, it is **38.0480, 35.5760, 16.0560**.

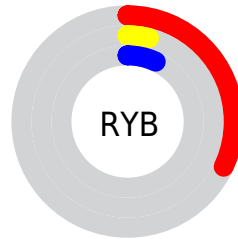
# Distribution



Red (32%)

Green (4%)

Blue (7%)



Red (32%)

Yellow (4%)

Blue (7%)

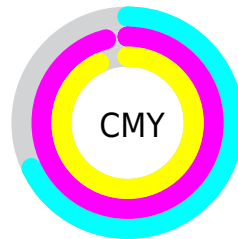


Cyan (0%)

Magenta (88%)

Yellow (77%)

Black (68%)



Cyan (68%)

Magenta (96%)


Yellow (93%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 32.5540, 40.0230, 18.0630 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 32.5540, 40.0230, 18.0630 by changing the saturation by 10% instead.





 32.5540, 40.0230,  
18.0630


 32.5540, 40.0230,  
18.0630

 249.5230, 5.7770,  
-0.0710


 16.7440, 33.3760,  
11.8720


 83.7240, 45.2960,  
16.1120


 8.4860, 16.3670,  
6.2470

 108.8060, 48.0010,  
16.6490

 0.0000, 0.0000,  
0.0000


 134.5890, 50.1100,  
16.9740


 161.7850, 52.4940,  
17.8220


 189.2690, 54.0070,  
17.9350


 209.6800, 39.4280,


12.3240


 229.3080, 22.7400,  
6.3880


 32.5540, 40.0230,  
18.0630


 32.5540, 40.0230,  
18.0630


 27.0600, 44.4700,  
20.0700


 38.0480, 35.5760,  
16.0560

 25.6580, 45.6620,  
20.4940

 43.5420, 31.1290,  
14.0490

 49.7370, 26.0860,  
11.8300

 55.2310, 21.6390,  
9.8230

 60.7250, 17.1920,  
7.8160

■ 66.2190, 12.7450,  
5.8090

■ 71.7130, 8.2980,  
3.8020

■ 77.7940, 3.5760,  
1.2720

■ 83.4020, -1.1920,  
-0.4240

# Harmonies

## Analogous

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



32.1700, 32.7770, 28.2410



32.5540, 40.0230, 18.0630



36.2030, 36.0370, 2.1890

# Triad

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



32.5540, 40.0230, 18.0630



28.6320, -14.4840, -23.8600



36.2020, -41.3110, 5.2890

# Complementary

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



32.5540, 40.0230, 18.0630



59.4460, -40.0230, -18.0630

# 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.



38.1110, -39.7970, -0.1250



32.5540, 40.0230, 18.0630



33.3400, -24.9850, -15.2650

# Square

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



32.5540, 40.0230, 18.0630



34.4990, 5.1840, -16.8640



36.3040, -33.3310, -7.1790



37.5360, -21.4600, 14.4760



# Rectangle

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



32.5540, 40.0230, 18.0630



37.8980, 26.4100, -5.0620



36.3040, -33.3310, -7.1790



37.1480, -41.2190, 3.6210

# Sweetspot

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



32.5540, 40.0230, 18.0630



87.8280, 15.4040, 7.1800



36.7460, 13.8400, 35.5360



42.3110, 9.4900, 4.2260



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.



32.5540, 40.0230, 18.0630



33.4750, 59.5990, 26.7270



46.7900, 35.7620, 1.6660



38.1960, 2.3840, 0.8480



32.8770, 58.4070, 26.3030



72.6740, 128.9630, 58.2030



# Inverse Universe

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



32.5540, 40.0230, 18.0630



33.4750, 59.5990, 26.7270



45.2100, -35.7620, -1.6660



38.1960, 2.3840, 0.8480



32.8770, 58.4070, 26.3030



72.6740, 128.9630, 58.2030



# Previews

## White Background



This preview shows how the YIQ color 32.5540, 40.0230, 18.0630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

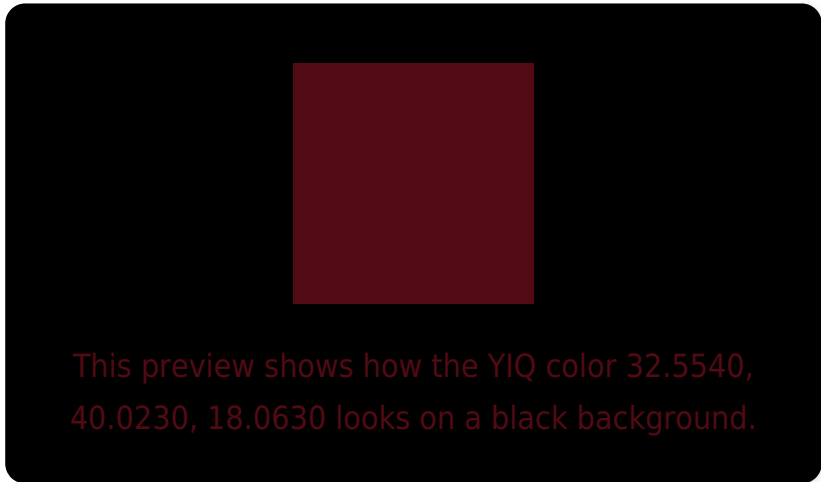
Any Text WCAG AA ✓ Pass

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 32.5540, 40.0230, 18.0630**

## **Background**



This preview shows how black text looks on a background with the YIQ color 32.5540, 40.0230, 18.0630.



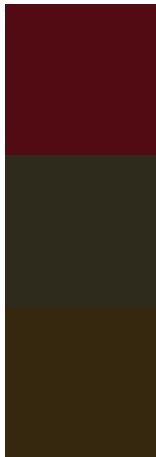
This preview shows how white text looks on a background with the YIQ color 32.5540, 40.0230,



# 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

32.5540, 40.0230, 18.0630

### Protanopia

41.6000, 6.8780, -3.5060

### Deuteranopia

40.9230, 16.0940, -5.3300



## Tritanopia

32.8160, 42.0410, 14.5290

# Trichromacy



## Original Color

32.5540, 40.0230, 18.0630

## Protanomaly

38.1010, 18.8890, 4.5930

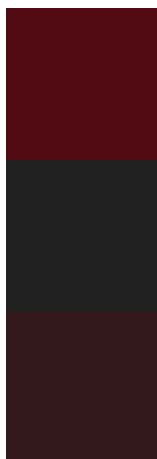
## Deuteranomaly

37.9830, 25.0330, 3.3770

## Tritanomaly

32.5710, 41.3530, 15.9850

# Monochromacy



## Original Color

32.5540, 40.0230, 18.0630

## Achromatopsia

33.0000, -0.0000, -0.0000

## Achromatomaly

33.1160, 14.5330, 6.4450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 32.5540, 40.0230, 18.0630 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(82, 10, 19)` looks like.

```
.text, #text, p{  
    color:rgb(82, 10, 19)  
}
```

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(82, 10, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 10, 19) }
```

## Border

The CSS property to change the border of an element to YIQ 32.5540, 40.0230, 18.0630 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(82, 10, 19) }
```



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

```
.border{ border-color:rgb(82, 10, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 10, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 10, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 10, 19);  
box-shadow:4px 4px 4px 4px rgb(82, 10, 19)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 32.5540, 40.0230, 18.0630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 10, 19) }
```

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

```
.background{ background-color: rgb(82, 10,  
19) }
```

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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