

# Converting Colors

YIQ(60.8750, 16.0490, -10.0230)

Have a look what the booklet for  
YIQ(60.8750, 16.0490, -10.0230)  
contains.

<b>YIQ(60.8750, 16.0490, -10.0230)</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(60.8750, 16.0490,  
-10.0230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	463F1A
RGB	70, 63, 26
RGB Percent	27%, 25%, 10%
CMY	0.7255, 0.7529, 0.8979
CMYK	0.00, 0.10, 0.63, 0.73
HSL	50°, 46%, 19%
HSV	50°, 63%, 27%
XYZ	4.4897, 4.9314, 1.6939
YIQ	60.8750, 16.0490, -10.0230

# Conversions

## Conversions Part 2

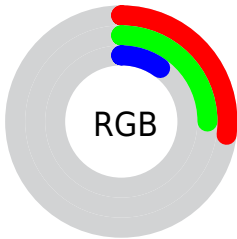
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 70, 26
Decimal	4603674
CIELab	26.54, -2.61, 23.41
CIELCh	27, 23.560, 96.363
Yxy	4.9314, 0.4039, 0.4437
Android (android.graphics.Color)	4282793754 (0xFF463F1A)
YUV	60.8750, -17.1934, 8.0026
Hunter-Lab	22.2067, -2.7729, 11.0222

# Details

The YIQ color **60.8750, 16.0490, -10.0230** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **35.1250, -16.0490, 10.0230**, and the grayscale version is **61.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **108.5440, 18.4790, -10.0090**, and **19.5030, 8.5290, -5.8950** is the 20% darker color. If you saturate the color by 10%, you get **59.4900, 18.5710, -11.6770**, and if you desaturate by 10%, it is **62.2600, 13.5270, -8.3690**.

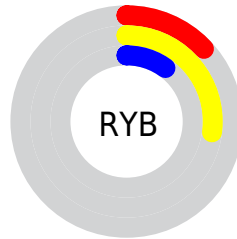
# Distribution



 Red (27%)

 Green (25%)

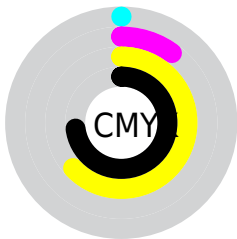
 Blue (10%)



 Red (13%)

 Yellow (27%)

 Blue (10%)

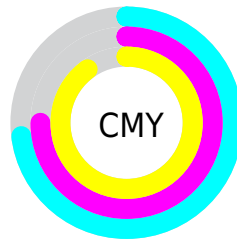


 Cyan (0%)

 Magenta (10%)

 Yellow (63%)

 Black (73%)



 Cyan (73%)

 Magenta (75%)

 Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 60.8750, 16.0490, -10.0230 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 60.8750, 16.0490, -10.0230 by changing the saturation by 10% instead.



■ 60.8750, 16.0490,  
-10.0230

■ 60.8750, 16.0490,  
-10.0230

■ 255.0000, -0.0000,  
-0.0000

■ 38.2340, 16.4160,  
-11.1680

■ 108.5440, 18.4790,  
-10.0090

■ 19.5030, 8.5290,  
-5.8950

■ 134.3160, 19.1210,  
-10.6310

■ 0.0000, 0.0000,  
0.0000

■ 160.5010, 20.0380,  
-10.7300

■ 187.6860, 20.9550,  
-10.8290

■ 215.4580, 21.5970,  
-11.4510

■ 242.8600, 20.4050,

-11.8750

■ 251.9220, 8.6670,  
-8.3970

■ 60.8750, 16.0490,  
-10.0230

■ 60.8750, 16.0490,  
-10.0230

■ 59.4900, 18.5710,  
-11.6770

■ 62.2600, 13.5270,  
-8.3690

■ 58.1050, 21.0930,  
-13.3310

■ 63.6450, 11.0050,  
-6.7150

■ 56.7200, 23.6150,  
-14.9850

■ 65.0300, 8.4830,  
-5.0610

■ 55.5630, 25.4950,  
-16.0170

■ 66.4150, 5.9610,  
-3.4070

■ 68.3870, 3.1640,  
-2.2760

■ 69.7720, 0.6420,  
-0.6220

■ 71.1570, -1.8800,  
1.0320

■ 72.5420, -4.4020,  
2.6860

■ 73.9270, -6.9240,  
4.3400

# Harmonies

## Analogous

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



62.2940, 25.3550, -2.4610



60.8750, 16.0490, -10.0230



58.9270, 1.1030, -14.4890

# Triad

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



60.8750, 16.0490, -10.0230



51.1390, -46.1680, -11.3200



64.5540, 13.6600, 16.7640

# Complementary

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



60.8750, 16.0490, -10.0230



35.1250, -16.0490, 10.0230

# 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.



64.5780, -4.0830, 13.4290



60.8750, 16.0490, -10.0230



50.7460, -49.1950, -6.0190

# Square

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



60.8750, 16.0490, -10.0230



49.7880, -40.9860, -17.1300



60.1130, -24.9430, 6.0090



63.7200, 24.7560, 13.9080



# Rectangle

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



60.8750, 16.0490, -10.0230



56.6420, -11.2760, -15.9160



60.1130, -24.9430, 6.0090



64.8030, 8.5250, 16.2130

# Sweetspot

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



60.8750, 16.0490, -10.0230



88.1870, 6.6030, -4.0290



39.9540, 23.9770, 11.5050



43.5720, 4.0810, -2.3750



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000



# Same Dimension

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



60.8750, 16.0490, -10.0230



77.6770, 25.1740, -15.7060



60.4990, 5.1840, -16.8640



34.9570, 1.5590, -0.7210



78.9090, 35.9040, -22.9440



179.9900, 82.7670, -51.7690



# Inverse Universe

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



35.1250, -16.0490, 10.0230



37.3230, -25.1740, 15.7060



35.5010, -5.1840, 16.8640



33.0430, -1.5590, 0.7210



20.6780, -36.1790, 22.4210

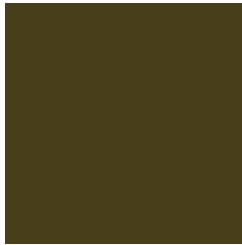


47.0100, -82.7670, 51.7690



# Previews

## White Background



This preview shows how the YIQ color 60.8750, 16.0490, -10.0230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

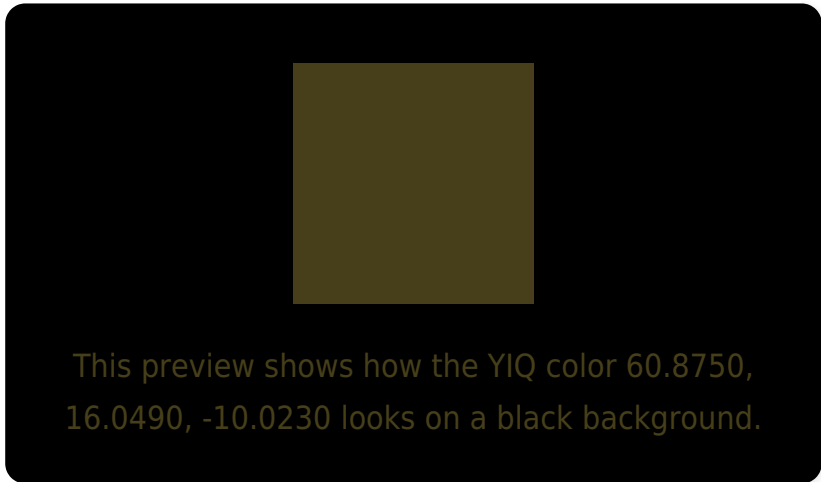
Any Text WCAG AA ✓ Pass

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

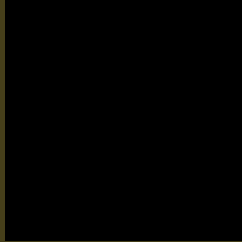
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 60.8750, 16.0490, -10.0230

## Background



This preview shows how black text looks on a background with the YIQ color 60.8750, 16.0490, -10.0230.



This preview shows how white text looks on a background with the YIQ color 60.8750, 16.0490,

-10.0230.

# 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

60.8750, 16.0490, -10.0230

### Protanopia

60.8750, 16.0490, -10.0230

### Deuteranopia

61.6200, 21.3210, -6.4470



## Tritanopia

63.7560, 6.7390, 4.5230

# Trichromacy



## Original Color

60.8750, 16.0490, -10.0230

## Protanomaly

60.8750, 16.0490, -10.0230

## Deuteranomaly

61.3100, 19.2580, -7.6060

## Tritanomaly

62.4480, 10.3620, -0.5660

# Monochromacy



## Original Color

60.8750, 16.0490, -10.0230

## Achromatopsia

61.0000, 0.0000, -0.0000

## Achromatomaly

61.0020, 5.6860, -3.9300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 60.8750, 16.0490, -10.0230 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(70, 63, 26)` looks like.

```
.text, #text, p{  
    color:rgb(70, 63, 26)  
}
```

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(70, 63, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 63, 26) }
```

## Border

The CSS property to change the border of an element to YIQ 60.8750, 16.0490, -10.0230 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(70, 63, 26) }
```



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

```
.border{ border-color:rgb(70, 63, 26) }
```

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

Here you see how a box with a 4 pixel rgb(70, 63, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 63, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 63, 26);  
box-shadow:4px 4px 4px 4px rgb(70, 63, 26)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 60.8750, 16.0490, -10.0230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 63, 26) }
```

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

```
.background{ background-color: rgb(70, 63,  
26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor