

# Converting Colors

YIQ(60.6830, -1.3260, -20.0300)

Have a look what the booklet for  
YIQ(60.6830, -1.3260, -20.0300)  
contains.

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# Color

**YIQ(60.6830, -1.3260,  
-20.0300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F4A1C
RGB	47, 74, 28
RGB Percent	18%, 29%, 11%
CMY	0.8158, 0.7098, 0.8902
CMYK	0.37, 0.00, 0.62, 0.71
HSL	95°, 45%, 20%
HSV	95°, 62%, 29%
XYZ	3.8304, 5.5867, 1.9756
YIQ	60.6830, -1.3260, -20.0300

# Conversions

## Conversions Part 2

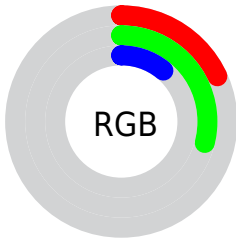
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	28, 74, 55
Decimal	3099164
CIE Lab	28.34, -19.72, 23.90
CIE LCh	28, 30.986, 129.519
Yxy	5.5867, 0.3362, 0.4904
Android (android.graphics.Color)	4281289244 (0xFF2F4A1C)
YUV	60.6830, -16.1127, -12.0000
Hunter-Lab	23.6362, -12.4362, 11.5898

# Details

The YIQ color **60.6830, -1.3260, -20.0300** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **41.3170, 1.3260, 20.0300**, and the grayscale version is **61.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **108.9280, -0.6380, -21.4860**, and **18.1970, -8.5250, -16.2130** is the 20% darker color. If you saturate the color by 10%, you get **58.6890, -1.4630, -23.0550**, and if you desaturate by 10%, it is **62.6770, -1.1890, -17.0050**.

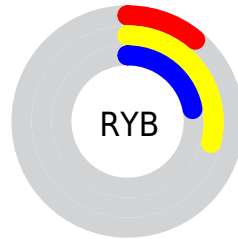
# Distribution



Red (18%)

Green (29%)

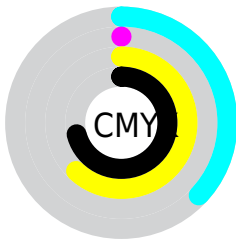
Blue (11%)



Red (11%)

Yellow (29%)

Blue (22%)

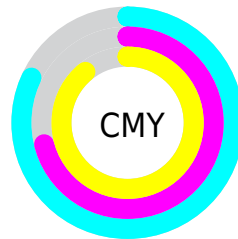


Cyan (37%)

Magenta (0%)

Yellow (62%)

Black (71%)



Cyan (82%)

Magenta (71%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 60.6830, -1.3260, -20.0300 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 60.6830, -1.3260, -20.0300 by changing the saturation by 10% instead.



60.6830, -1.3260,  
-20.0300

60.6830, -1.3260,  
-20.0300

255.0000, -0.0000,  
-0.0000

37.8680, -0.4090,  
-20.1290

108.9280, -0.6380,  
-21.4860

18.1970, -8.5250,  
-16.2130

134.5150, -0.9130,  
-22.0090

0.0000, 0.0000,  
0.0000

160.9880, -0.8670,  
-22.8430

187.8740, -0.5460,  
-23.1540

215.6460, 0.0960,  
-23.7760

241.2980, 1.1960,

-21.6840

■ 252.2640, 7.7040,  
-7.4640

■ 60.6830, -1.3260,  
-20.0300

■ 60.6830, -1.3260,  
-20.0300

■ 58.6890, -1.4630,  
-23.0550

■ 62.6770, -1.1890,  
-17.0050

■ 56.2820, -1.8750,  
-26.6030

■ 65.0840, -0.7770,  
-13.4570

■ 54.2880, -2.0120,  
-29.6280

■ 67.0780, -0.6400,  
-10.4320

■ 52.7070, -1.8740,  
-32.1300

■ 69.1860, -0.8240,  
-7.0960

■ 71.4790, -0.0910,  
-3.8590

■ 73.4730, 0.0460,  
-0.8340

■ 75.5810, -0.1380,  
2.5020

■ 77.8740, 0.5950,  
5.7390

■ 79.9820, 0.4110,  
9.0750

# Harmonies

## Analogous

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



63.5670, 19.6720, -15.1120



60.6830, -1.3260, -20.0300



50.7850, -36.9040, -25.0320

# Triad

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



60.6830, -1.3260, -20.0300



56.0920, -55.9810, -4.1810



66.4440, 34.5210, 18.6570

# Complementary

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



60.6830, -1.3260, -20.0300



41.3170, 1.3260, 20.0300

# 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.



68.2500, 20.6280, 22.6440



60.6830, -1.3260, -20.0300



63.0890, -33.5630, 8.0450

# Square

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



60.6830, -1.3260, -20.0300



56.8440, -52.5870, -10.6270



68.6370, -2.5710, 19.0690



66.2620, 37.5490, 7.8290



# Rectangle

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



60.6830, -1.3260, -20.0300



53.3100, -42.6360, -20.2680



68.6370, -2.5710, 19.0690



66.7580, 30.7610, 20.7210

# Sweetspot

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



60.6830, -1.3260, -20.0300



91.5450, -0.4570, -8.2410



57.6030, 19.9910, -4.3690



44.9520, -0.0450, -4.6930



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000



# Same Dimension

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



60.6830, -1.3260, -20.0300



75.8210, -2.1950, -31.8190



55.4580, -13.9340, -22.8140



36.9460, 0.0920, -1.6680



72.4320, -3.0180, -44.4420



163.4150, -6.6300, -100.1500



# Inverse Universe

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



41.3170, 1.3260, 20.0300



45.1790, 2.1950, 31.8190



46.5420, 13.9340, 22.8140



35.3530, 0.5040, 1.8800



29.5680, 3.0180, 44.4420

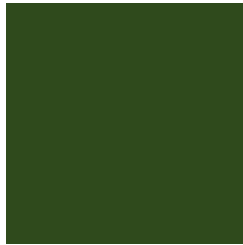


66.5850, 6.6300, 100.1500



# Previews

## White Background



This preview shows how the YIQ color 60.6830, -1.3260, -20.0300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

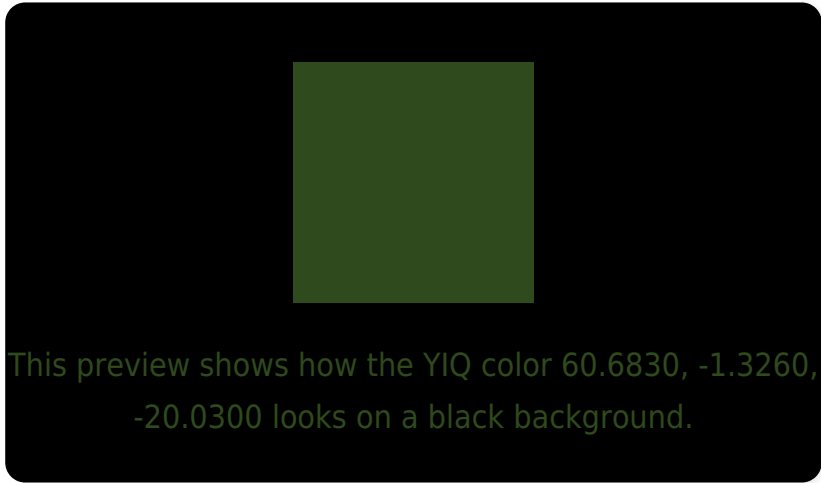
Any Text WCAG AA ✓ Pass

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

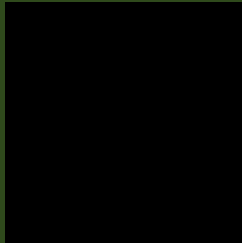
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 60.6830, -1.3260, -20.0300**

## **Background**



This preview shows how black text looks on a background with the YIQ color 60.6830, -1.3260, -20.0300.



This preview shows how white text looks on a background with the YIQ color 60.6830, -1.3260, -20.0300.

-20.0300.

# 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

60.6830, -1.3260, -20.0300

### Protanopia

64.4190, 17.3330, -11.2670

### Deuteranopia

65.6200, 21.3210, -6.4470



## Tritanopia

65.1990, -10.8660, -1.3140

# Trichromacy



## Original Color

60.6830, -1.3260, -20.0300

## Protanomaly

63.3040, 10.2270, -14.6450

## Deuteranomaly

63.9670, 12.7940, -11.6060

## Tritanomaly

63.5380, -7.7470, -8.2830

# Monochromacy



## Original Color

60.6830, -1.3260, -20.0300

## Achromatopsia

61.0000, 0.0000, -0.0000

## Achromatomaly

61.0720, -0.5030, -7.4070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 60.6830, -1.3260, -20.0300 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(47, 74, 28)` looks like.

```
.text, #text, p{  
    color:rgb(47, 74, 28)  
}
```

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(47, 74, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 74, 28) }
```

## Border

The CSS property to change the border of an element to YIQ 60.6830, -1.3260, -20.0300 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(47, 74, 28) }
```



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

```
.border{ border-color:rgb(47, 74, 28) }
```

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

Here you see how a box with a 4 pixel rgb(47, 74, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 74, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 74, 28);  
box-shadow:4px 4px 4px 4px rgb(47, 74, 28)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 60.6830, -1.3260, -20.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 74, 28) }
```

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

```
.background{ background-color: rgb(47, 74,  
28) }
```

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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