

# Converting Colors

YIQ(68.1320, -19.0680,  
-28.8920)

Have a look what the booklet for  
YIQ(68.1320, -19.0680, -28.8920)  
contains.

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# Color

**YIQ(68.1320, -19.0680,  
-28.8920)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	205C28
RGB	32, 92, 40
RGB Percent	13%, 36%, 16%
CMY	0.8747, 0.6391, 0.8432
CMYK	0.65, 0.00, 0.57, 0.64
HSL	128°, 48%, 24%
HSV	128°, 65%, 36%
XYZ	4.8064, 8.1181, 3.3203
YIQ	68.1320, -19.0680, -28.8920

# Conversions

## Conversions Part 2

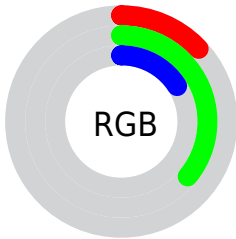
Format	Color
<b>RYB</b>	32, 85, 92
Decimal	2120744
CIELab	34.23, -31.60, 24.12
CIELCh	34, 39.751, 142.652
Yxy	8.1181, 0.2959, 0.4997
Android (android.graphics.Color)	4280310824 (0xFF205C28)
YUV	68.1320, -13.8691, -31.6878
Hunter-Lab	28.4924, -19.7500, 13.0354

# Details

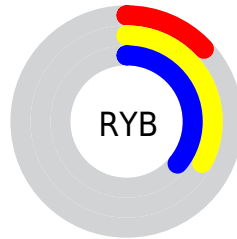
The YIQ color **68.1320, -19.0680, -28.8920** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **55.8680, 19.0680, 28.8920**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **118.9750, -17.1880, -29.9240**, and **26.4150, -12.3750, -23.5350** is the 20% darker color. If you saturate the color by 10%, you get **64.5290, -21.8640, -33.2880**, and if you desaturate by 10%, it is **71.7350, -16.2720, -24.4960**.

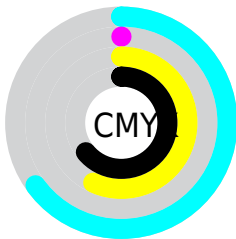
# Distribution



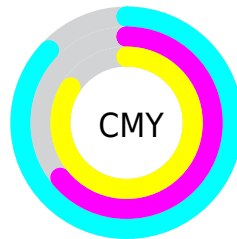
- Red (13%)
- Green (36%)
- Blue (16%)



- Red (13%)
- Yellow (33%)
- Blue (36%)



- Cyan (65%)
- Magenta (0%)
- Yellow (57%)
- Black (64%)



- Cyan (87%)
- Magenta (64%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 68.1320, -19.0680, -28.8920 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 68.1320, -19.0680, -28.8920 by changing the saturation by 10% instead.



■ 68.1320, -19.0680,  
-28.8920

■ 68.1320, -19.0680,  
-28.8920

■ 255.0000, -0.0000,  
-0.0000

■ 41.9680, -24.4780,  
-29.9660

■ 118.9750,  
-17.1880, -29.9240

■ 26.4150, -12.3750,  
-23.5350

■ 145.3340,  
-16.8210, -31.0690

■ 13.5010, -6.3250,  
-12.0290

■ 171.9210,  
-17.0960, -31.5920

■ 0.0000, 0.0000,  
0.0000

■ 199.3940,  
-17.0500, -32.4260

■ 227.9810,  
-17.3250, -32.9490

■ 240.1320, -9.9000,

-18.8280

251.9950, -1.6040,  
-3.9720

68.1320, -19.0680,  
-28.8920

68.1320, -19.0680,  
-28.8920

64.5290, -21.8640,  
-33.2880

71.7350, -16.2720,  
-24.4960

60.9260, -24.6600,  
-37.6840

75.3380, -13.4760,  
-20.1000

57.0240, -28.0520,  
-42.2920

79.2400, -10.0840,  
-15.4920

55.3720, -29.1520,  
-44.3840

82.8430, -7.2880,  
-11.0960

86.4460, -4.4920,  
-6.7000

■ 90.0490, -1.6960,  
-2.3040

■ 93.6520, 1.1000,  
2.0920

■ 97.5540, 4.4920,  
6.7000

■ 101.1570, 7.2880,  
11.0960

# Harmonies

## Analogous

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



74.0190, 15.0430, -24.8370



68.1320, -19.0680, -28.8920



63.8590, -48.9160, -27.6040

# Triad

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



68.1320, -19.0680, -28.8920



66.7840, -69.5530, -0.5050



78.0990, 48.7340, 19.8860

# Complementary

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



68.1320, -19.0680, -28.8920



55.8680, 19.0680, 28.8920

# 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.



79.9640, 36.3530, 29.5130



68.1320, -19.0680, -28.8920



79.6050, -25.9080, 17.9960

# Square

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



68.1320, -19.0680, -28.8920



69.4110, -67.3050, -8.2090



83.1490, 10.9070, 28.1150



78.6620, 47.8660, 2.5700



# Rectangle

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



68.1320, -19.0680, -28.8920



66.9540, -56.2530, -21.2850



83.1490, 10.9070, 28.1150



78.3640, 46.6700, 24.2540

# Sweetspot

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



68.1320, -19.0680, -28.8920



110.4300, -7.5630, -11.6190



82.7680, 14.4920, -20.3560



55.3320, -4.1710, -7.0110



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.



68.1320, -19.0680, -28.8920



82.6600, -30.0230, -45.1190



71.5520, -28.6980, -19.5620



44.0490, -1.6960, -2.3040



66.2800, -35.0650, -52.8650



142.7670, -75.4470, -113.9990



# Inverse Universe

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



55.8680, 19.0680, 28.8920



63.3400, 30.0230, 45.1190



52.4480, 28.6980, 19.5620



42.9510, 1.6960, 2.3040



43.7200, 35.0650, 52.8650

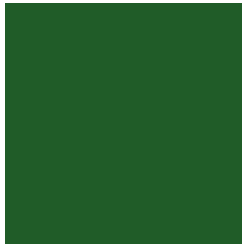


94.2330, 75.4470, 113.9990



# Previews

## White Background



This preview shows how the YIQ color 68.1320, -19.0680, -28.8920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

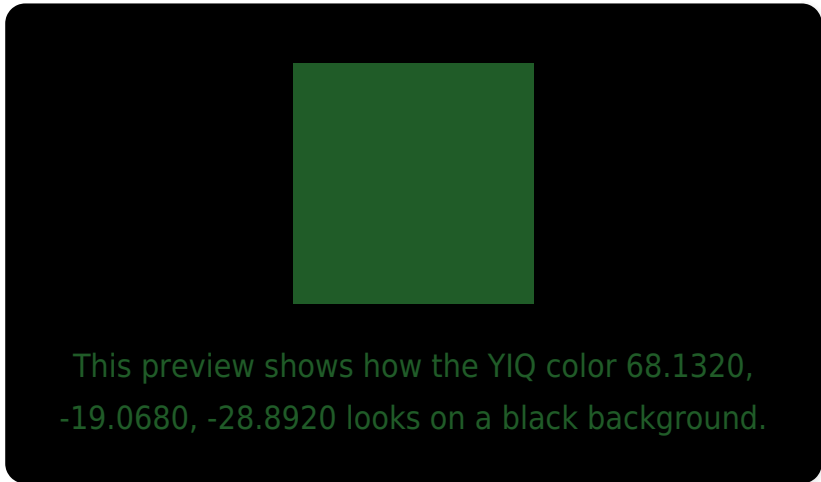
Any Text WCAG AA ✓ Pass

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 68.1320, -19.0680, -28.8920

## Background



This preview shows how black text looks on a background with the YIQ color 68.1320, -19.0680, -28.8920.



This preview shows how white text looks on a background with the YIQ color 68.1320, -19.0680,

-28.8920.

# 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

68.1320, -19.0680, -28.8920

### Protanopia

77.6750, 19.4880, -11.7760

### Deuteranopia

78.9300, 23.3840, -5.2880



## Tritanopia

75.1370, -25.4910, -6.0910

# Trichromacy



## Original Color

68.1320, -19.0680, -28.8920

## Protanomaly

73.8580, 5.5510, -18.0090

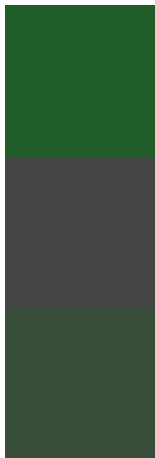
## Deuteranomaly

75.1620, 7.7510, -13.8250

## Tritanomaly

72.6500, -22.9220, -14.1060

# Monochromacy



## Original Color

68.1320, -19.0680, -28.8920

## Achromatopsia

68.0000, -0.0000, 0.0000

## Achromatomaly

68.2560, -7.0130, -10.5730

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 68.1320, -19.0680, -28.8920 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(32, 92, 40)` looks like.

```
.text, #text, p{  
    color:rgb(32, 92, 40)  
}
```

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(32, 92, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 92, 40) }
```

## Border

The CSS property to change the border of an element to YIQ 68.1320, -19.0680, -28.8920 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(32, 92, 40) }
```



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

```
.border{ border-color:rgb(32, 92, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 92, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 92, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 92, 40);  
box-shadow:4px 4px 4px 4px rgb(32, 92, 40)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 68.1320, -19.0680, -28.8920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 92, 40) }
```

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

```
.background{ background-color: rgb(32, 92,  
40) }
```

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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