

Converting Colors

YIQ(68.2990, 0.5960, 0.2120)

Have a look what the booklet for
YIQ(68.2990, 0.5960, 0.2120)
contains.

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Color

YIQ(68.2990, 0.5960, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	454444
RGB	69, 68, 68
RGB Percent	27%, 27%, 27%
CMY	0.7294, 0.7333, 0.7333
CMYK	0.00, 0.01, 0.01, 0.73
HSL	360°, 1%, 27%
HSV	0°, 1%, 27%
XYZ	5.5648, 5.8168, 6.2984
YIQ	68.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	69, 68, 68
Decimal	4539460
CIE Lab	28.95, 0.42, 0.14
CIE LCh	29, 0.445, 18.818
Yxy	5.8168, 0.3148, 0.3290
Android (android.graphics.Color)	4282729540 (0xFF454444)
YUV	68.2990, -0.1474, 0.6148
Hunter-Lab	24.1180, -1.0209, 1.3991

Details

The YIQ color $[68.2990, 0.5960, 0.2120]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[68.7010, -0.5960, -0.2120]$, and the grayscale version is $[68.0000, -0.0000, 0.0000]$.

A 20% lighter version of the original color is $[116.2990, 0.5960, 0.2120]$, and $[25.2990, 0.5960, 0.2120]$ is the 20% darker color. If you saturate the color by 10%, you get $[63.3920, 4.7680, 1.6960]$, and if you desaturate by 10%, it is $[73.2060, -3.5760, -1.2720]$.

Distribution



Red (27%)

Green (27%)

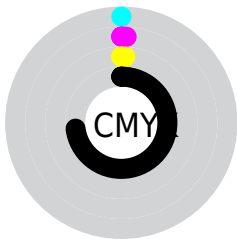
Blue (27%)



Red (27%)

Yellow (27%)

Blue (27%)



Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (73%)



Cyan (73%)

Magenta (73%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.2990, 0.5960, 0.2120 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 68.2990, 0.5960, 0.2120 by changing the saturation by 10% instead.

■ 68.2990, 0.5960,
0.2120

■ 68.2990, 0.5960,
0.2120

■ 255.0000, -0.0000,
-0.0000

■ 46.2990, 0.5960,
0.2120

■ 116.2990, 0.5960,
0.2120

■ 25.2990, 0.5960,
0.2120

■ 142.2990, 0.5960,
0.2120

■ 0.0000, 0.0000,
0.0000

■ 168.2990, 0.5960,
0.2120

■ 195.2990, 0.5960,
0.2120

■ 223.2990, 0.5960,
0.2120

■ 252.2990, 0.5960,

0.2120

■ 68.2990, 0.5960,
0.2120

■ 68.2990, 0.5960,
0.2120

■ 63.3920, 4.7680,
1.6960

■ 73.2060, -3.5760,
-1.2720

■ 58.4850, 8.9400,
3.1800

■ 78.1130, -7.7480,
-2.7560

■ 53.5780, 13.1120,
4.6640

■ 83.0200, -11.9200,
-4.2400

■ 48.6710, 17.2840,
6.1480

■ 87.9270, -16.0920,
-5.7240

■ 44.4650, 20.8600,
7.4200

■ 92.2470, -19.9890,
-6.6850

■ 39.5580, 25.0320,
8.9040

■ 97.0400, -23.8400,
-8.4800

■ 34.6510, 29.2040,
10.3880

■ 101.9470,
-28.0120, -9.9640

■ 29.7440, 33.3760,
11.8720

■ 106.8540,
-32.1840, -11.4480

■ 24.8370, 37.5480,
13.3560

■ 111.7610,
-36.3560, -12.9320

Harmonies

Triad

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



68.2990, 0.5960, 0.2120



68.0000, -0.0000, 0.0000



68.1140, -0.3210, 0.3110

Complementary

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



68.2990, 0.5960, 0.2120



68.7010, -0.5960, -0.2120

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.



67.8150, -0.9170, 0.0990



68.2990, 0.5960, 0.2120



68.0000, -0.0000, 0.0000

Square

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



68.2990, 0.5960, 0.2120



68.0000, -0.0000, 0.0000



67.7010, -0.5960, -0.2120



68.1140, -0.3210, 0.3110

Rectangle

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



68.2990, 0.5960, 0.2120



68.2990, 0.5960, 0.2120



67.7010, -0.5960, -0.2120



68.1140, -0.3210, 0.3110

Sweetspot

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



68.2990, 0.5960, 0.2120



89.0000, -0.0000, -0.0000



68.4130, 0.2750, 0.5230



46.0000, 0.0000, -0.0000



173.0000, -0.0000, 0.0000

Same Dimension

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



68.2990, 0.5960, 0.2120



87.5980, 1.1920, 0.4240



68.8860, 0.3210, -0.3110



35.2990, 0.5960, 0.2120



29.6010, 59.0040, 20.9880



67.8730, 135.2920, 48.1240

Inverse Universe

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



68.7010, -0.5960, -0.2120



88.4020, -1.1920, -0.4240



35.7010, -0.5960, -0.2120



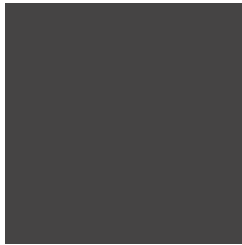
69.3990, -59.0040, -20.9880



159.1270, -135.2920, -48.1240

Previews

White Background



This preview shows how the YIQ color 68.2990, 0.5960, 0.2120 looks on a white background.

Color Contrast Check

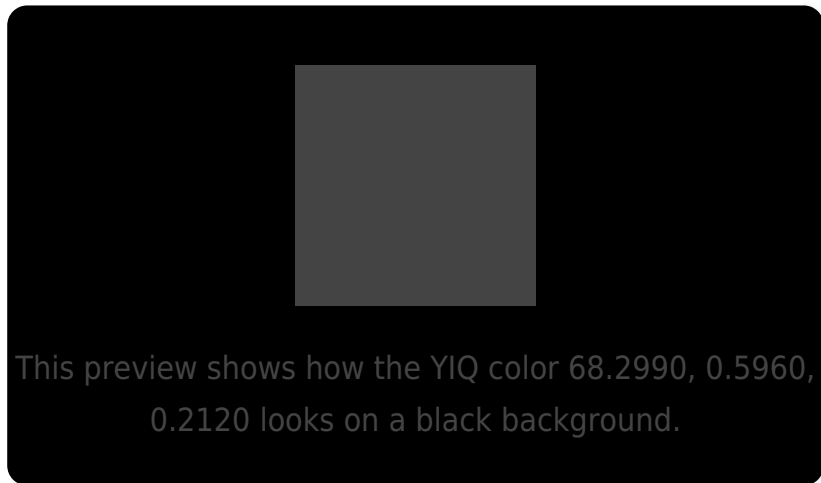
Large Text (above 18pt) WCAG AA ✓ Pass

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

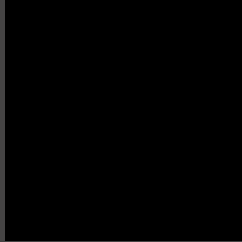
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

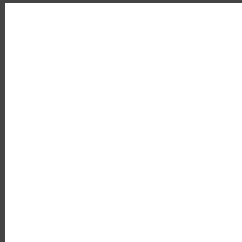
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 68.2990, 0.5960, 0.2120

Background



This preview shows how black text looks on a background with the YIQ color 68.2990, 0.5960, 0.2120.



This preview shows how white text looks on a background with the YIQ color 68.2990, 0.5960, 0.2120.

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

68.2990, 0.5960, 0.2120

Protanopia

68.2990, 0.5960, 0.2120

Deuteranopia

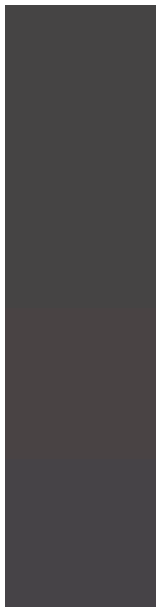
68.9190, 4.7220, 2.5300



Tritanopia

68.5810, -0.1380, 2.5020

Trichromacy



Original Color

68.2990, 0.5960, 0.2120

Protanomaly

68.2990, 0.5960, 0.2120

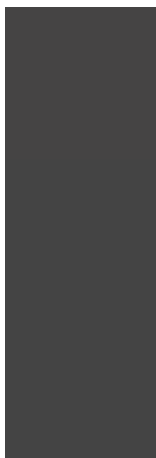
Deuteranomaly

68.9080, 3.2550, 1.5830

Tritanomaly

68.3530, 0.5040, 1.8800

Monochromacy



Original Color

68.2990, 0.5960, 0.2120

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.0000, -0.0000, 0.0000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.2990, 0.5960, 0.2120 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(69, 68, 68)` looks like.

```
.text, #text, p{  
    color:rgb(69, 68, 68)  
}
```

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(69, 68, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 68, 68) }
```

Border

The CSS property to change the border of an element to YIQ 68.2990, 0.5960, 0.2120 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(69, 68, 68) }
```

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

```
.border{ border-color:rgb(69, 68, 68) }
```

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

Here you see how a box with a 4 pixel rgb(69, 68, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 68, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 68, 68);  
box-shadow:4px 4px 4px 4px rgb(69, 68, 68)  
}
```

Background

The CSS property to change the background color of an element to YIQ 68.2990, 0.5960, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 68, 68) }
```

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

```
.background{ background-color: rgb(69, 68,  
68) }
```

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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