

# Converting Colors

YIQ(150.6220, -28.0010,  
-70.7610)

Have a look what the booklet for  
YIQ(150.6220, -28.0010, -70.7610)  
contains.

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# Color

**YIQ(150.6220, -28.0010,  
-70.7610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50CC3D
RGB	80, 204, 61
RGB Percent	31%, 80%, 24%
CMY	0.6867, 0.1998, 0.7608
CMYK	0.61, 0.00, 0.70, 0.20
HSL	112°, 58%, 52%
HSV	112°, 70%, 80%
XYZ	25.7475, 45.2485, 11.7917
YIQ	150.6220, -28.0010, -70.7610

# Conversions

## Conversions Part 2

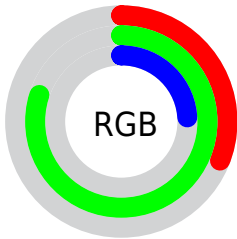
Format	Color
<b>RYB</b>	61, 204, 185
Decimal	5295165
CIELab	73.06, -60.34, 58.21
CIELCh	73, 83.841, 136.027
Yxy	45.2485, 0.3110, 0.5466
Android (android.graphics.Color)	4283485245 (0xFF50CC3D)
YUV	150.6220, -44.1836, -61.9355
Hunter-Lab	67.2670, -49.3936, 36.6936

# Details

The YIQ color **150.6220, -28.0010, -70.7610** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **114.3780, 28.0010, 70.7610**, and the grayscale version is **151.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **205.3670, -22.7290, -67.1850**, and **86.8760, -40.7000, -77.4040** is the 20% darker color. If you saturate the color by 10%, you get **142.9600, -32.3090, -80.7970**, and if you desaturate by 10%, it is **158.2840, -23.6930, -60.7250**.

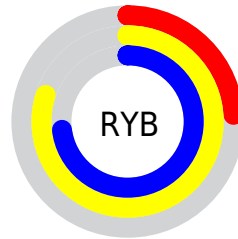
# Distribution



Red (31%)

Green (80%)

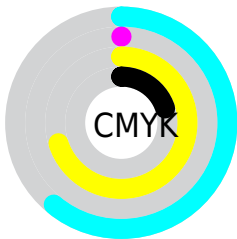
Blue (24%)



Red (24%)

Yellow (80%)

Blue (73%)

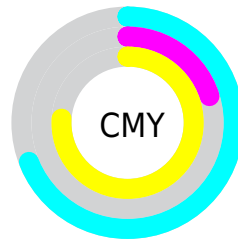


Cyan (61%)

Magenta (0%)

Yellow (70%)

Black (20%)



Cyan (69%)

Magenta (20%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 150.6220, -28.0010, -70.7610 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 150.6220, -28.0010, -70.7610 by changing the saturation by 10% instead.



■ 150.6220,  
-28.0010, -70.7610

■ 150.6220,  
-28.0010, -70.7610

■ 255.0000, -0.0000,  
-0.0000

■ 119.5890,  
-32.4020, -73.6020

■ 205.3670,  
-22.7290, -67.1850

■ 87.4630, -40.9750,  
-77.9270

■ 217.4150,  
-13.5160, -52.4280

■ 71.6140, -33.5500,  
-63.8060

■ 229.5770, -4.6240,  
-37.3600

■ 56.3520, -26.4000,  
-50.2080

■ 241.8530, 3.9470,  
-21.9810

■ 41.6770, -19.5250,  
-37.1330

■ 252.0360, 8.3460,  
-8.0860

■ 28.1760, -13.2000,  
-25.1040

■ 11.1530, -5.2250,

-9.9370

■ 0.0000, 0.0000,  
0.0000

■ 150.6220,  
-28.0010, -70.7610

■ 150.6220,  
-28.0010, -70.7610

■ 142.9600,  
-32.3090, -80.7970

■ 158.2840,  
-23.6930, -60.7250

■ 135.1840,  
-36.2960, -91.1440

■ 165.7610,  
-20.3020, -50.5900

■ 127.8210,  
-40.0080, -100.9680

■ 173.4230,  
-15.9940, -40.5540

■ 181.1990,  
-12.0070, -30.2070

■ 188.5620, -8.2950,  
-20.3830

■ 196.2240, -3.9870,  
-10.3470

■ 204.0000, -0.0000,  
-0.0000

■ 211.6620, 4.3080,  
10.0360

■ 219.1390, 7.6990,  
20.1710

# Harmonies

## Analogous

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



162.9800, 53.1960, -61.0120



150.6220, -28.0010, -70.7610



140.2900, -102.9190, -67.6470

# Triad

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



150.6220, -28.0010, -70.7610



145.2960, -136.3050, -24.2490



149.9590, 79.4480, 46.9680

# Complementary

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



150.6220, -28.0010, -70.7610



114.3780, 28.0010, 70.7610

# 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.



161.6720, 53.3560, 68.3000



150.6220, -28.0010, -70.7610



157.2210, -77.8530, 6.7470

# Square

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



150.6220, -28.0010, -70.7610



152.9270, -139.8800, -31.0480



180.6290, 19.3840, 56.2160



159.3610, 94.3100, 8.8860



# Rectangle

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



150.6220, -28.0010, -70.7610



147.6200, -120.8030, -51.8990



180.6290, 19.3840, 56.2160



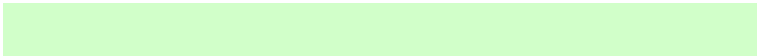
151.0480, 72.2480, 56.3120

# Sweetspot

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



150.6220, -28.0010, -70.7610



235.0900, -10.0820, -26.5460



176.5450, 51.1280, -34.5360



115.9800, -6.4160, -15.8880



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



150.6220, -28.0010, -70.7610



174.9900, -42.1620, -105.9860



150.8690, -56.0170, -58.6170



98.1690, -2.1540, -5.0180



104.0200, -32.5380, -82.1540



23.8010, -7.4700, -18.8140



# Inverse Universe

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



114.3780, 28.0010, 70.7610



121.0100, 42.1620, 105.9860



114.1310, 56.0170, 58.6170



95.8310, 2.1540, 5.0180



61.9800, 32.5380, 82.1540

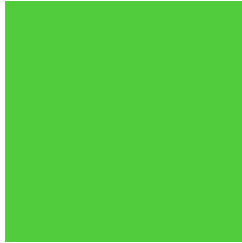


14.1990, 7.4700, 18.8140



# Previews

## White Background



This preview shows how the YIQ color 150.6220, -28.0010, -70.7610 looks on a white 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



# Black Background



This preview shows how the YIQ color 150.6220, -28.0010, -70.7610 looks on a black 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

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

# YIQ 150.6220, -28.0010, -70.7610 Background



This preview shows how black text looks on a background with the YIQ color 150.6220, -28.0010, -70.7610.



This preview shows how white text looks on a background with the YIQ color 150.6220, -28.0010, -70.7610.

-70.7610.

# 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

150.6220, -28.0010, -70.7610

### Protanopia

170.1430, 52.3200, -34.1120

### Deuteranopia

173.6040, 61.8080, -18.8320



## Tritanopia

169.0890, -51.8990, -12.0830

# Trichromacy



## Original Color

150.6220, -28.0010, -70.7610



## Protanomaly

162.9110, 23.2540, -47.0020



## Deuteranomaly

165.5300, 29.1210, -37.6870



## Tritanomaly

162.3940, -43.4130, -33.7250

# Monochromacy



## Original Color

150.6220, -28.0010, -70.7610



## Achromatopsia

151.0000, -0.0000, 0.0000



## Achromatomaly

150.6170, -10.1280, -25.7120

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 150.6220, -28.0010, -70.7610 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(80, 204, 61)` looks like.

```
.text, #text, p{  
    color:rgb(80, 204, 61)  
}
```

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(80, 204, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 204, 61) }
```

## Border

The CSS property to change the border of an element to YIQ 150.6220, -28.0010, -70.7610 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(80, 204, 61) }
```



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

```
.border{ border-color:rgb(80, 204, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 204, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 204, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 204, 61);  
box-shadow:4px 4px 4px 4px rgb(80, 204,  
61) }
```

# Background

The CSS property to change the background color of an element to YIQ 150.6220, -28.0010, -70.7610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 204, 61) }
```

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

```
.background{ background-color: rgb(80, 204,  
61) }
```

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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