

# Converting Colors

YIQ(170.3720, -13.0980,  
-82.0420)

Have a look what the booklet for  
YIQ(170.3720, -13.0980, -82.0420)  
contains.

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# Color

**YIQ(170.3720, -13.0980,  
-82.0420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BE32D
RGB	107, 227, 45
RGB Percent	42%, 89%, 18%
CMY	0.5808, 0.1096, 0.8234
CMYK	0.53, 0.00, 0.80, 0.11
HSL	100°, 77%, 53%
HSV	100°, 80%, 89%
XYZ	34.0080, 58.2746, 11.9406
YIQ	170.3720, -13.0980, -82.0420

# Conversions

## Conversions Part 2

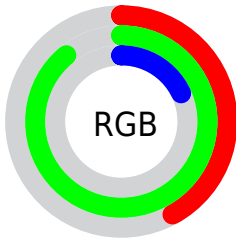
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 227, 165
Decimal	7070509
CIELab	80.89, -62.67, 71.32
CIELCh	81, 94.945, 131.305
Yxy	58.2746, 0.3263, 0.5591
Android (android.graphics.Color)	4285260589 (0xFF6BE32D)
YUV	170.3720, -61.8084, -55.5772
Hunter-Lab	76.3378, -54.0706, 44.1624

# Details

The YIQ color **170.3720, -13.0980, -82.0420** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **101.6280, 13.0980, 82.0420**, and the grayscale version is **171.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **212.0010, -4.0230, -64.7830**, and **109.6570, -27.0820, -81.9140** is the 20% darker color. If you saturate the color by 10%, you get **163.2650, -14.6550, -92.3750**, and if you desaturate by 10%, it is **177.4790, -11.5410, -71.7090**.

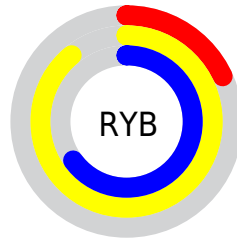
# Distribution



Red (42%)

Green (89%)

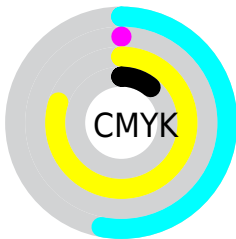
Blue (18%)



Red (18%)

Yellow (89%)

Blue (65%)

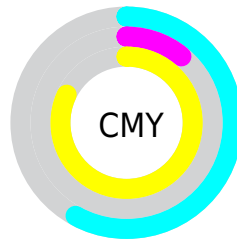


Cyan (53%)

Magenta (0%)

Yellow (80%)

Black (11%)



Cyan (58%)

Magenta (11%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 170.3720, -13.0980, -82.0420 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 170.3720, -13.0980, -82.0420 by changing the saturation by 10% instead.



■ 170.3720,  
-13.0980, -82.0420

■ 170.3720,  
-13.0980, -82.0420

■ 255.0000, -0.0000,  
-0.0000

■ 138.3520,  
-10.3460, -87.8660

■ 212.0010, -4.0230,  
-64.7830

■ 109.6570,  
-27.0820, -81.9140

■ 224.5760, 5.1440,  
-49.1920

■ 83.9410, -39.3250,  
-74.7890

■ 236.8520, 13.7150,  
-33.8130

■ 68.6790, -32.1750,  
-61.1910

■ 247.9320, 19.9020,  
-19.2820

■ 53.4170, -25.0250,  
-47.5930

■ 251.2380, 10.5930,  
-10.2630

■ 38.7420, -18.1500,  
-34.5180

■ 254.6580, 0.9630,

■ 24.6540, -11.5500,

-0.9330

-21.9660

■ 3.5220, -1.6500,  
-3.1380

■ 0.0000, 0.0000,  
0.0000

■ 170.3720,  
-13.0980, -82.0420

■ 170.3720,  
-13.0980, -82.0420

■ 163.2650,  
-14.6550, -92.3750


■ 177.4790,  
-11.5410, -71.7090


■ 156.2720,  
-16.5330, -102.3970

■ 184.4720, -9.6630,  
-61.6870


■ 191.5790, -8.1060,  
-51.3540


■ 198.6860, -6.5490,  
-41.0210

 205.7930, -4.9920,  
-30.6880

 212.7860, -3.1140,  
-20.6660

 219.8930, -1.5570,  
-10.3330

 227.0000, -0.0000,  
-0.0000

 233.9930, 1.8780,  
10.0220

# Harmonies

## Analogous

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



184.2990, 68.2350, -63.7410



170.3720, -13.0980, -82.0420



155.0790, -110.1150, -80.4110

# Triad

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



170.3720, -13.0980, -82.0420



161.7320, -144.0050, -38.8930



155.0260, 69.3140, 54.4180

# Complementary

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



170.3720, -13.0980, -82.0420



101.6280, 13.0980, 82.0420

# 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.



173.4070, 38.2250, 72.6970



170.3720, -13.0980, -82.0420



147.0570, -137.1300, -25.8180

# Square

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



170.3720, -13.0980, -82.0420



168.7760, -147.3050, -45.1690



196.2450, 20.1650, 47.5650



164.8210, 87.2030, 11.0350



# Rectangle

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



170.3720, -13.0980, -82.0420



163.9080, -130.8420, -62.6980



196.2450, 20.1650, 47.5650



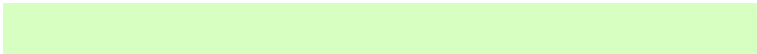
157.8590, 59.9590, 64.2710

# Sweetspot

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



170.3720, -13.0980, -82.0420



236.0860, -4.2590, -27.4510



168.6840, 76.0220, -23.1300



116.3070, -3.0230, -16.8070



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.



170.3720, -13.0980, -82.0420



178.6320, -17.9070, -110.5390



154.9120, -58.7170, -86.7890



111.2400, -0.9160, -5.4280



123.3120, -12.8690, -80.6850



35.0200, -3.8930, -23.0690



# Inverse Universe

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



101.6280, 13.0980, 82.0420



86.3680, 17.9070, 110.5390



117.0880, 58.7170, 86.7890



106.7600, 0.9160, 5.4280



55.6880, 12.8690, 80.6850



15.9800, 3.8930, 23.0690



# Previews

## White Background



This preview shows how the YIQ color 170.3720, -13.0980, -82.0420 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 170.3720, -13.0980, -82.0420 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 170.3720, -13.0980, -82.0420 Background



This preview shows how black text looks on a background with the YIQ color 170.3720, -13.0980, -82.0420.



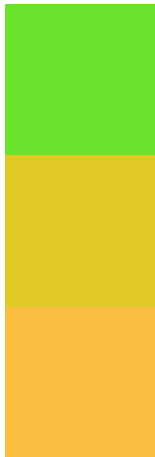
This preview shows how white text looks on a background with the YIQ color 170.3720, -13.0980, -82.0420.

-82.0420.

# 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

170.3720, -13.0980, -82.0420

### Protanopia

188.7080, 66.3060, -45.2940

### Deuteranopia

192.8750, 76.8020, -26.2540



## Tritanopia

191.1110, -48.9650, -10.1890

# Trichromacy



## Original Color

170.3720, -13.0980, -82.0420



## Protanomaly

182.0630, 36.9650, -58.7070



## Deuteranomaly

184.7470, 44.2070, -46.7770



## Tritanomaly

183.7060, -35.6640, -36.4960

# Monochromacy



## Original Color

170.3720, -13.0980, -82.0420



## Achromatopsia

170.0000, -0.0000, 0.0000



## Achromatomaly

170.3200, -5.0380, -29.8540

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 170.3720, -13.0980, -82.0420 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(107, 227, 45)` looks like.

```
.text, #text, p{  
    color:rgb(107, 227, 45)  
}
```

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(107, 227, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 227, 45) }
```

## Border

The CSS property to change the border of an element to YIQ 170.3720, -13.0980, -82.0420 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(107, 227, 45) }
```



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

```
.border{ border-color:rgb(107, 227, 45) }
```

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

Here you see how a box with a 4 pixel rgb(107, 227, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 227, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 227, 45);  
box-shadow:4px 4px 4px 4px rgb(107, 227,  
45) }
```

# Background

The CSS property to change the background color of an element to YIQ 170.3720, -13.0980, -82.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 227, 45) }
```

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

```
.background{ background-color: rgb(107,  
227, 45) }
```

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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