

# Converting Colors

YIQ(154.4320, 13.0360,  
-82.1000)

Have a look what the booklet for  
YIQ(154.4320, 13.0360, -82.1000)  
contains.

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# Color

**YIQ(154.4320, 13.0360,  
-82.1000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74CC00
RGB	116, 204, 0
RGB Percent	45%, 80%, 0%
CMY	0.5454, 0.1998, 0.9997
CMYK	0.43, 0.00, 1.00, 0.20
HSL	86°, 100%, 40%
HSV	86°, 100%, 80%
XYZ	28.7929, 46.9103, 7.5386
YIQ	154.4320, 13.0360, -82.1000

# Conversions

## Conversions Part 2

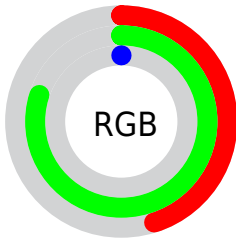
Format	Color
<b>RYB</b>	0, 204, 88
Decimal	7654400
CIELab	74.13, -52.70, 73.28
CIELCh	74, 90.258, 125.722
Yxy	46.9103, 0.3459, 0.5635
Android (android.graphics.Color)	4285844480 (0xFF74CC00)
YUV	154.4320, -76.1350, -33.7049
Hunter-Lab	68.4911, -44.8200, 41.4179

# Details

The YIQ color **154.4320, 13.0360, -82.1000** 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 **49.5680, -13.0360, 82.1000**, and the grayscale version is **155.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **211.3580, 7.8530, -70.7630**, and **103.6090, -8.7910, -66.4790** is the 20% darker color. If you saturate the color by 10%, you get **154.4320, 13.0360, -82.1000**, and if you desaturate by 10%, it is **159.4030, 11.9800, -73.9720**.

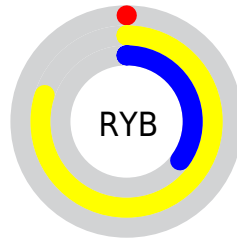
# Distribution



Red (45%)

Green (80%)

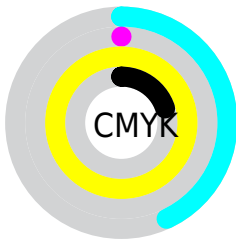
Blue (0%)



Red (0%)

Yellow (80%)

Blue (35%)

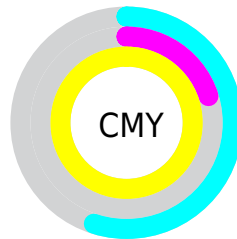


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (55%)

Magenta (20%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 154.4320, 13.0360, -82.1000 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 154.4320, 13.0360, -82.1000 by changing the saturation by 10% instead.



■ 154.4320, 13.0360,  
-82.1000

■ 154.4320, 13.0360,  
-82.1000

■ 255.0000, -0.0000,  
-0.0000

■ 129.0260, 2.8560,  
-73.8160

■ 211.3580, 7.8530,  
-70.7630

■ 103.3100, -9.3870,  
-66.6910

■ 223.7480, 16.1030,  
-55.0730

■ 73.9950, -30.2490,  
-63.0570

■ 235.9100, 24.9950,  
-40.0050

■ 56.9390, -26.6750,  
-50.7310

■ 245.1960, 27.6060,  
-26.7460

■ 42.2640, -19.8000,  
-37.6560

■ 248.5020, 18.2970,  
-17.7270

■ 28.7630, -13.4750,  
-25.6270

■ 251.9220, 8.6670,

■ 13.5010, -6.3250,

-8.3970

-12.0290

■ 0.0000, 0.0000,  
0.0000

■ 154.4320, 13.0360,  
-82.1000

■ 159.4030, 11.9800,  
-73.9720

■ 164.4880, 10.6030,  
-65.5330

■ 169.1600, 8.9510,  
-57.6170

■ 174.2450, 7.5740,  
-49.1780

■ 179.2160, 6.5180,  
-41.0500

■ 184.3010, 5.1410,  
-32.6110

■ 189.2720, 4.0850,  
-24.4830

■ 193.9440, 2.4330,  
-16.5670

■ 199.0290, 1.0560,  
-8.1280

# Harmonies

## Analogous

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



169.0040, 70.9840, -52.9840



154.4320, 13.0360, -82.1000



138.7450, -94.4350, -78.2350

# Triad

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



154.4320, 13.0360, -82.1000



151.7530, -139.3300, -30.0020



145.5200, 74.0350, 62.4750

# Complementary

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



154.4320, 13.0360, -82.1000



49.5680, -13.0360, 82.1000

# 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.



168.9560, 41.1130, 75.4250



154.4320, 13.0360, -82.1000



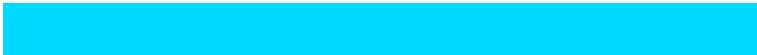
139.4260, -133.5550, -19.0190

# Square

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



154.4320, 13.0360, -82.1000



157.0360, -141.8050, -34.7090



178.3930, -3.8590, 42.4210



152.2490, 92.2900, 23.4740

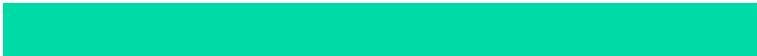


# Rectangle

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



154.4320, 13.0360, -82.1000



147.0040, -113.5570, -62.0770



178.3930, -3.8590, 42.4210



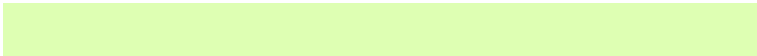
150.4730, 64.2220, 69.6140

# Sweetspot

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



154.4320, 13.0360, -82.1000



236.4690, 4.7280, -30.6320



110.8910, 98.2090, -1.2070



116.7760, 2.8460, -18.5460



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.



154.4320, 13.0360, -82.1000



193.0400, 16.2950, -102.6250



124.8310, -45.9680, -103.0880



99.6640, 0.8260, -3.9580



125.5480, 10.3740, -66.8900



28.8840, 2.6620, -15.2100



# Inverse Universe

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



49.5680, -13.0360, 82.1000



61.9600, -16.2950, 102.6250



79.1690, 45.9680, 103.0880



94.3360, -0.8260, 3.9580



40.4520, -10.3740, 66.8900

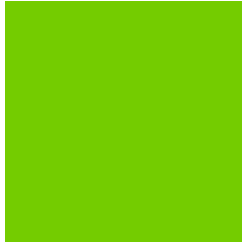


9.4150, -2.0660, 15.4220



# Previews

## White Background



This preview shows how the YIQ color 154.4320, 13.0360, -82.1000 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 154.4320, 13.0360, -82.1000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

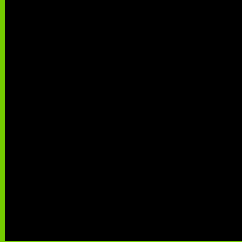
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 154.4320, 13.0360, -82.1000

## Background



This preview shows how black text looks on a background with the YIQ color 154.4320, 13.0360, -82.1000.



This preview shows how white text looks on a background with the YIQ color 154.4320, 13.0360,

-82.1000.

# 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

154.4320, 13.0360, -82.1000

### Protanopia

167.8300, 71.5340, -51.9380

### Deuteranopia

173.8100, 75.4270, -28.8690



## Tritanopia

176.7600, -34.6150, -5.9350

# Trichromacy



## Original Color

154.4320, 13.0360, -82.1000

## Protanomaly

162.9580, 50.2620, -62.9060

## Deuteranomaly

166.8850, 52.5060, -48.5020

## Tritanomaly

168.4540, -17.2790, -33.7830

# Monochromacy



## Original Color

154.4320, 13.0360, -82.1000

## Achromatopsia

154.0000, -0.0000, -0.0000

## Achromatomaly

153.9960, 4.6820, -29.7980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 154.4320, 13.0360, -82.1000 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(116, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 204, 0)  
}
```

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(116, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 204, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 154.4320, 13.0360, -82.1000 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(116, 204, 0) }
```



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

```
.border{ border-color:rgb(116, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 204,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 154.4320, 13.0360, -82.1000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 204, 0) }
```

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

```
.background{ background-color: rgb(116,  
204, 0) }
```

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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