

Converting Colors

YIQ(164.9470, -13.0990,
-76.5150)

Have a look what the booklet for
YIQ(164.9470, -13.0990, -76.5150)
contains.

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Color

**YIQ(164.9470, -13.0990,
-76.5150)**

Conversions

Conversions Part 1

Format	Color
Hex	69DA31
RGB	105, 218, 49
RGB Percent	41%, 85%, 19%
CMY	0.5886, 0.1449, 0.8077
CMYK	0.52, 0.00, 0.78, 0.14
HSL	100°, 70%, 52%
HSV	100°, 78%, 86%
XYZ	31.4529, 53.3866, 11.5549
YIQ	164.9470, -13.0990, -76.5150

Conversions

Conversions Part 2

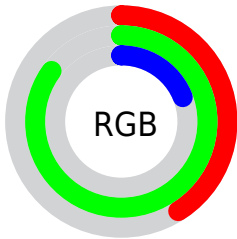
Format	Color
R_{YB}	49, 218, 162
Decimal	6937137
CIE _{Lab}	78.10, -59.77, 67.56
CIE _{LCh}	78, 90.204, 131.502
Yxy	53.3866, 0.3263, 0.5538
Android (android.graphics.Color)	4285127217 (0xFF69DA31)
YUV	164.9470, -57.1619, -52.5735
Hunter-Lab	73.0661, -51.0266, 41.7700

Details

The YIQ color **164.9470, -13.0990, -76.5150** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark muted chartreuse. A complement of this color would be **102.0530, 13.0990, 76.5150**, and the grayscale version is **166.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **211.3320, -6.4530, -64.7970**, and **105.2600, -24.2860, -77.5180** is the 20% darker color. If you saturate the color by 10%, you get **157.9540, -14.9770, -86.5370**, and if you desaturate by 10%, it is **171.9400, -11.2210, -66.4930**.

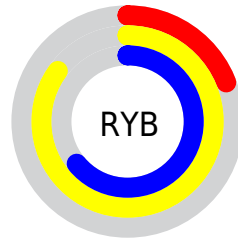
Distribution



Red (41%)

Green (85%)

Blue (19%)



Red (19%)

Yellow (85%)

Blue (64%)

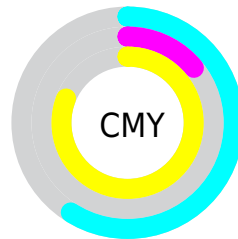


Cyan (52%)

Magenta (0%)

Yellow (78%)

Black (14%)



Cyan (59%)

Magenta (14%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 164.9470, -13.0990, -76.5150 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 164.9470, -13.0990, -76.5150 by changing the saturation by 10% instead.

■ 164.9470,
-13.0990, -76.5150

■ 164.9470,
-13.0990, -76.5150

■ 255.0000, -0.0000,
-0.0000

■ 133.6990, -9.7050,
-82.9610

■ 211.3320, -6.4530,
-64.7970

■ 105.2600,
-24.2860, -77.5180

■ 223.4940, 2.4390,
-49.7290

■ 79.2450, -37.1250,
-70.6050

■ 236.0690, 11.6060,
-34.1380

■ 63.9830, -29.9750,
-57.0070

■ 247.9320, 19.9020,
-19.2820

■ 48.7210, -22.8250,
-43.4090

■ 251.3520, 10.2720,
-9.9520

■ 34.6330, -16.2250,
-30.8570

■ 254.6580, 0.9630,

■ 20.5450, -9.6250,

-0.9330

-18.3050

■ 0.0000, 0.0000,
0.0000

■ 164.9470,
-13.0990, -76.5150

■ 164.9470,
-13.0990, -76.5150

■ 157.9540,
-14.9770, -86.5370

■ 171.9400,
-11.2210, -66.4930

■ 151.2600,
-16.2590, -96.3470

■ 178.6340, -9.9390,
-56.6830

■ 149.4940,
-17.0380, -98.7500


■ 185.5130, -7.7400,
-46.9720

■ 192.2070, -6.4580,
-37.1620

■ 199.2000, -4.5800,
-27.1400

 205.8940, -3.2980,
-17.3300

 212.8870, -1.4200,
-7.3080

 219.7660, 0.7790,
2.4030

 226.4600, 2.0610,
12.2130

Harmonies

Analogous

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



177.4990, 64.7960, -61.9880



164.9470, -13.0990, -76.5150



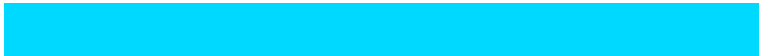
149.4540, -106.6770, -76.6370

Triad

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



164.9470, -13.0990, -76.5150



156.4490, -141.5300, -34.1860



154.3420, 71.2400, 52.5520

Complementary

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



164.9470, -13.0990, -76.5150



102.0530, 13.0990, 76.5150

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.



171.4350, 41.0220, 71.5660



164.9470, -13.0990, -76.5150



142.3610, -134.9300, -21.6340

Square

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



164.9470, -13.0990, -76.5150



162.9060, -144.5550, -39.9390



190.6190, 16.1760, 48.2720



162.8320, 88.6700, 11.9820

Rectangle

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



164.9470, -13.0990, -76.5150



157.8270, -126.1200, -60.1680



190.6190, 16.1760, 48.2720



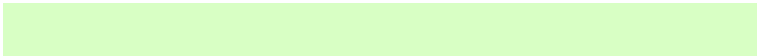
156.9470, 62.5270, 61.7830

Sweetspot

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



164.9470, -13.0990, -76.5150



236.6130, -4.3050, -26.6170



165.8620, 69.6490, -23.2710



116.7200, -2.7480, -16.2840



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.



164.9470, -13.0990, -76.5150



180.4410, -18.6870, -107.4150



151.3950, -55.4630, -79.6790



106.3540, -1.2370, -5.1170



118.5940, -13.6030, -78.3950



31.4870, -3.7100, -20.8780

Inverse Universe

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



102.0530, 13.0990, 76.5150



92.5590, 18.6870, 107.4150



115.6050, 55.4630, 79.6790



102.3470, 0.6410, 4.9050



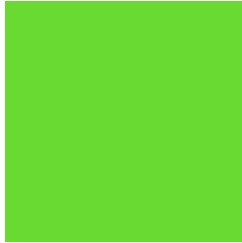
54.4060, 13.6030, 78.3950



14.5130, 3.7100, 20.8780

Previews

White Background



This preview shows how the YIQ color 164.9470, -13.0990, -76.5150 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 164.9470, -13.0990, -76.5150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

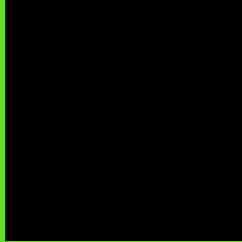
Any Text WCAG AA ✓ Pass

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 164.9470, -13.0990, -76.5150 Background



This preview shows how black text looks on a background with the YIQ color 164.9470, -13.0990, -76.5150.



This preview shows how white text looks on a background with the YIQ color 164.9470, -13.0990, -76.5150.

-76.5150.

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

164.9470, -13.0990, -76.5150

Protanopia

182.0760, 62.4540, -41.5620

Deuteranopia

186.0040, 72.1250, -24.0910



Tritanopia

184.3070, -46.5810, -9.3410

Trichromacy



Original Color

164.9470, -13.0990, -76.5150

Protanomaly

175.7410, 35.1760, -53.8160

Deuteranomaly

178.3000, 41.2720, -43.1440

Tritanomaly

176.8850, -34.6100, -33.5700

Monochromacy



Original Color

164.9470, -13.0990, -76.5150

Achromatopsia

165.0000, -0.0000, -0.0000

Achromatomaly

164.7870, -4.8550, -27.6630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 164.9470, -13.0990, -76.5150 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(105, 218, 49)` looks like.

```
.text, #text, p{  
    color:rgb(105, 218, 49)  
}
```

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(105, 218, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 218, 49) }
```

Border

The CSS property to change the border of an element to YIQ 164.9470, -13.0990, -76.5150 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(105, 218, 49) }
```


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

```
.border{ border-color:rgb(105, 218, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 218, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 218, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 218, 49);  
box-shadow:4px 4px 4px 4px rgb(105, 218,  
49) }
```

Background

The CSS property to change the background color of an element to YIQ 164.9470, -13.0990, -76.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 218, 49) }
```

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

```
.background{ background-color: rgb(105,  
218, 49) }
```

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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