

Converting Colors

YIQ(176.3580, -46.0140,
-102.2540)

Have a look what the booklet for
YIQ(176.3580, -46.0140, -102.2540)
contains.

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Color

**YIQ(176.3580, -46.0140,
-102.2540)**

Conversions

Conversions Part 1

Format	Color
Hex	45FF35
RGB	69, 255, 53
RGB Percent	27%, 100%, 21%
CMY	0.7300, 0.0000, 0.7921
CMYK	0.73, 0.00, 0.79, 0.00
HSL	115°, 100%, 60%
HSV	115°, 79%, 100%
XYZ	38.8464, 73.0369, 15.4175
YIQ	176.3580, -46.0140, -102.2540

Conversions

Conversions Part 2

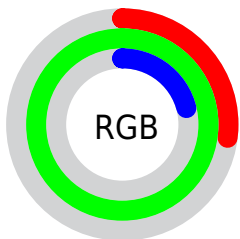
Format	Color
RYB	53, 255, 239
Decimal	4587317
CIELab	88.47, -79.22, 75.87
CIELCh	88, 109.693, 136.239
Yxy	73.0369, 0.3052, 0.5737
Android (android.graphics.Color)	4282777397 (0xFF45FF35)
YUV	176.3580, -60.8155, -94.1530
Hunter-Lab	85.4616, -68.4210, 49.1271

Details

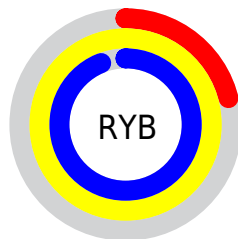
The YIQ color **176.3580, -46.0140, -102.2540** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **131.6420, 46.0140, 102.2540**, and the grayscale version is **177.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **205.5520, -21.8120, -67.2840**, and **115.6390, -54.1750, -103.0310** is the 20% darker color. If you saturate the color by 10%, you get **166.3320, -52.2930, -115.1170**, and if you desaturate by 10%, it is **186.1990, -40.6520, -89.2920**.

Distribution



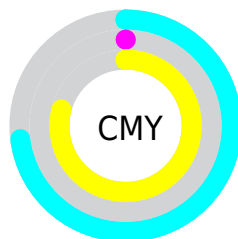
- Red (27%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (94%)



- Cyan (73%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)



- Cyan (73%)
- Magenta (0%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 176.3580, -46.0140, -102.2540 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 176.3580, -46.0140, -102.2540 by changing the saturation by 10% instead.

176.3580,
-46.0140, -102.2540

176.3580,
-46.0140, -102.2540

255.0000, -0.0000,
-0.0000

132.6620,
-62.1500, -118.1980

205.5520,
-21.8120, -67.2840

115.6390,
-54.1750, -103.0310

218.8390,
-11.7740, -50.9580

98.6160, -46.2000,
-87.8640

231.7130, -2.0110,
-35.1550

82.7670, -38.7750,
-73.7430

244.5870, 7.7520,
-19.3520

66.3310, -31.0750,
-59.0990

252.4920, 7.0620,
-6.8420

51.0690, -23.9250,
-45.5010

36.9810, -17.3250,

-32.9490

■ 21.1320, -9.9000,
-18.8280

■ 0.0000, 0.0000,
0.0000

■ 176.3580,
-46.0140, -102.2540

■ 176.3580,
-46.0140, -102.2540

■ 166.3320,
-52.2930, -115.1170

■ 186.1990,
-40.6520, -89.2920

■ 156.4910,
-57.6550, -128.0790

■ 196.2250,
-34.3730, -76.4290

■ 155.6650,
-58.2050, -129.1250

■ 206.0660,
-29.0110, -63.4670

■ 216.0920,
-22.7320, -50.6040

■ 225.9330,
-17.3700, -37.6420

■ 235.9590,
-11.0910, -24.7790

■ 245.8000, -5.7290,
-11.8170

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



201.9310, 62.9190, -77.5370



176.3580, -46.0140, -102.2540



168.8370, -124.0530, -81.1170

Triad

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



176.3580, -46.0140, -102.2540



174.6460, -150.0550, -50.3990



153.7380, 70.1850, 55.1530

Complementary

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



176.3580, -46.0140, -102.2540



131.6420, 46.0140, 102.2540

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.



168.1240, 40.7000, 77.4040



176.3580, -46.0140, -102.2540



172.3180, -107.0080, -21.0560

Square

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



176.3580, -46.0140, -102.2540



178.7550, -151.9800, -54.0600



201.5830, 25.0250, 47.5930



171.6880, 88.5350, -2.0970

Rectangle

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



176.3580, -46.0140, -102.2540



177.2730, -147.8070, -58.1030



201.5830, 25.0250, 47.5930



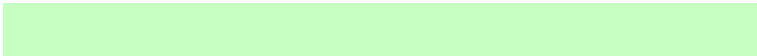
153.6190, 60.8750, 69.6990

Sweetspot

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



176.3580, -46.0140, -102.2540



231.3020, -13.7950, -30.8430



221.9930, 69.5170, -53.9310



113.3170, -8.9830, -18.9270



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.



176.3580, -46.0140, -102.2540



160.7350, -55.2260, -122.5380



181.1500, -82.5140, -79.5220



122.9300, -2.9790, -6.5870



116.6020, -43.5850, -96.7130



39.0630, -14.6200, -32.4120

Inverse Universe

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



131.6420, 46.0140, 102.2540



107.2650, 55.2260, 122.5380



126.8500, 82.5140, 79.5220



119.7710, 2.3830, 6.3750



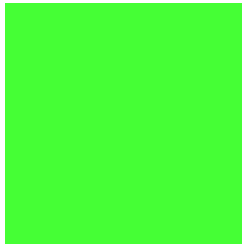
74.3980, 43.5850, 96.7130



24.9370, 14.6200, 32.4120

Previews

White Background



This preview shows how the YIQ color 176.3580, -46.0140, -102.2540 looks on a white background.

Color Contrast Check

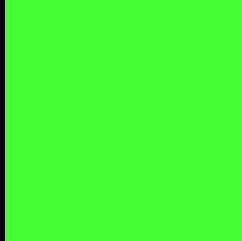
Large Text (above 18pt) WCAG AA × Fail

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 176.3580, -46.0140, -102.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

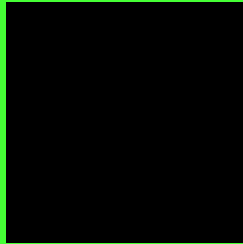
Any Text WCAG AA ✓ Pass

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 176.3580, -46.0140, -102.2540 Background



This preview shows how black text looks on a background with the YIQ color 176.3580, -46.0140, -102.2540.



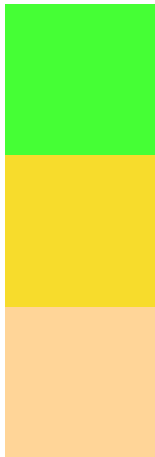
This preview shows how white text looks on a background with the YIQ color 176.3580, -46.0140, -102.2540.

-102.2540.

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

176.3580, -46.0140, -102.2540

Protanopia

208.0090, 72.5880, -49.0120

Deuteranopia

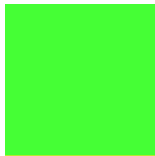
218.6040, 44.6130, -10.0670



Tritanopia

207.0590, -69.5500, -17.0860

Trichromacy



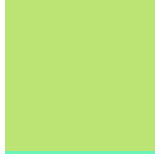
Original Color

176.3580, -46.0140, -102.2540



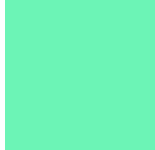
Protanomaly

196.5470, 29.3100, -68.6580



Deuteranomaly

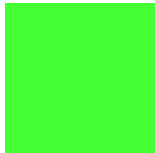
202.9730, 11.5160, -43.5240



Tritanomaly

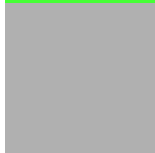
196.2680, -61.1540, -48.1140

Monochromacy



Original Color

176.3580, -46.0140, -102.2540



Achromatopsia

176.0000, -0.0000, -0.0000



Achromatomaly

176.2320, -16.7740, -37.4300

CSS Examples

Text

The CSS property to change the color of the text to YIQ 176.3580, -46.0140, -102.2540 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, 255, 53)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 53)  
}
```

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, 255, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 53) }
```

Border

The CSS property to change the border of an element to YIQ 176.3580, -46.0140, -102.2540 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, 255, 53) }
```


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

```
.border{ border-color:rgb(69, 255, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 255, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 53);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
53) }
```

Background

The CSS property to change the background color of an element to YIQ 176.3580, -46.0140, -102.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 53) }
```

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

```
.background{ background-color: rgb(69, 255,  
53) }
```

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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