

Converting Colors

YIQ(146.2770, 4.5480, -49.4040)

Have a look what the booklet for
YIQ(146.2770, 4.5480, -49.4040)
contains.

YIQ(146.2770, 4.5480, -49.4040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(146.2770, 4.5480,
-49.4040)**

Conversions

Conversions Part 1

Format	Color
Hex	78B139
RGB	120, 177, 57
RGB Percent	47%, 69%, 22%
CMY	0.5296, 0.3058, 0.7763
CMYK	0.32, 0.00, 0.68, 0.31
HSL	89°, 51%, 46%
HSV	89°, 68%, 69%
XYZ	24.2043, 35.7385, 9.4971
YIQ	146.2770, 4.5480, -49.4040

Conversions

Conversions Part 2

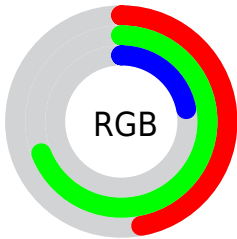
Format	Color
RYB	57, 177, 114
Decimal	7909689
CIELab	66.32, -37.90, 53.23
CIELCh	66, 65.348, 125.451
Yxy	35.7385, 0.3486, 0.5147
Android (android.graphics.Color)	4286099769 (0xFF78B139)
YUV	146.2770, -44.0136, -23.0449
Hunter-Lab	59.7817, -32.3472, 32.4282

Details

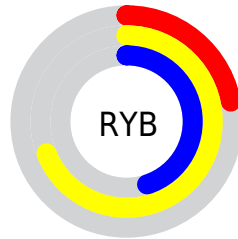
The YIQ color **146.2770, 4.5480, -49.4040** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **87.7230, -4.5480, 49.4040**, and the grayscale version is **147.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **201.9350, 5.5110, -50.3370**, and **92.2230, 4.6400, -51.0720** is the 20% darker color. If you saturate the color by 10%, you get **141.8330, 5.5580, -56.6980**, and if you desaturate by 10%, it is **150.7210, 3.5380, -42.1100**.

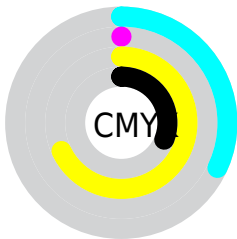
Distribution



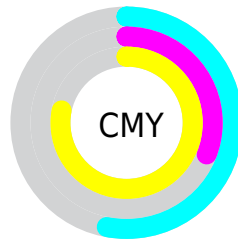
- Red (47%)
- Green (69%)
- Blue (22%)



- Red (22%)
- Yellow (69%)
- Blue (45%)



- Cyan (32%)
- Magenta (0%)
- Yellow (68%)
- Black (31%)



- Cyan (53%)
- Magenta (31%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 146.2770, 4.5480, -49.4040 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 146.2770, 4.5480, -49.4040 by changing the saturation by 10% instead.

■ 146.2770, 4.5480,
-49.4040

■ 146.2770, 4.5480,
-49.4040

■ 255.0000, -0.0000,
-0.0000

■ 119.0490, 5.1900,
-50.0260

■ 201.9350, 5.5110,
-50.3370

■ 92.2230, 4.6400,
-51.0720

■ 226.2990, 7.4820,
-47.5100

■ 69.1760, -5.1730,
-43.9330

■ 238.4610, 16.3740,
-32.4420

■ 43.4380, -20.3500,
-38.7020

■ 247.9320, 19.9020,
-19.2820

■ 29.9370, -14.0250,
-26.6730

■ 251.1240, 10.9140,
-10.5740

■ 17.6100, -8.2500,
-15.6900

■ 254.4300, 1.6050,

■ 0.0000, 0.0000,

-1.5550

0.0000

■ 146.2770, 4.5480,
-49.4040

■ 146.2770, 4.5480,
-49.4040

■ 141.8330, 5.5580,
-56.6980

■ 150.7210, 3.5380,
-42.1100

■ 137.2040, 5.6510,
-63.8930

■ 155.3500, 3.4450,
-34.9150

■ 132.7600, 6.6610,
-71.1870

■ 159.7940, 2.4350,
-27.6210

■ 131.7060, 6.7530,
-72.8550

■ 164.5370, 2.0210,
-20.1150

■ 168.9810, 1.0110,
-12.8210

■ 173.3110, 0.3220,
-5.8380

■ 178.0540, -0.0920,
1.6680

■ 182.4980, -1.1020,
8.9620

■ 187.1270, -1.1950,
16.1570

Harmonies

Analogous

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



152.1770, 54.9800, -38.2680



146.2770, 4.5480, -49.4040



121.7220, -86.4600, -63.0680

Triad

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



146.2770, 4.5480, -49.4040



134.7300, -131.3550, -14.8350



154.7350, 74.2670, 47.2510

Complementary

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



146.2770, 4.5480, -49.4040



87.7230, -4.5480, 49.4040

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.



163.9060, 43.4090, 55.8330



146.2770, 4.5480, -49.4040



132.8020, -113.5220, -2.1140

Square

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



146.2770, 4.5480, -49.4040



136.3480, -124.8880, -27.4160



164.7600, -15.1380, 43.0860



155.2810, 89.2640, 23.2480

Rectangle

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



146.2770, 4.5480, -49.4040



127.4560, -99.8500, -51.6740



164.7600, -15.1380, 43.0860



157.6020, 67.5720, 52.9480

Sweetspot

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



146.2770, 4.5480, -49.4040



218.1780, 1.6540, -18.9700



125.7520, 56.1200, -3.8480



107.9210, 1.2400, -11.4640



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

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



146.2770, 4.5480, -49.4040



182.1850, 6.6620, -76.7140



128.6360, -30.6160, -61.9120



86.7780, 0.5050, -3.6470



113.7310, 5.6050, -63.0590



19.1490, 0.5980, -10.8420

Inverse Universe

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



87.7230, -4.5480, 49.4040



91.5160, -7.2580, 76.5020



105.3640, 30.6160, 61.9120



82.5210, 0.0910, 3.8590



39.2690, -5.6050, 63.0590



6.5520, -1.1940, 10.6300

Previews

White Background



This preview shows how the YIQ color 146.2770, 4.5480, -49.4040 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 146.2770, 4.5480, -49.4040 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 146.2770, 4.5480, -49.4040

Background



This preview shows how black text looks on a background with the YIQ color 146.2770, 4.5480, -49.4040.



This preview shows how white text looks on a background with the YIQ color 146.2770, 4.5480,

-49.4040.

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

146.2770, 4.5480, -49.4040

Protanopia

154.3690, 45.9920, -29.5600

Deuteranopia

157.0210, 56.2600, -17.4040



Tritanopia

157.9250, -21.7780, -1.7940

Trichromacy



Original Color

146.2770, 4.5480, -49.4040

Protanomaly

151.4270, 30.9090, -37.0510

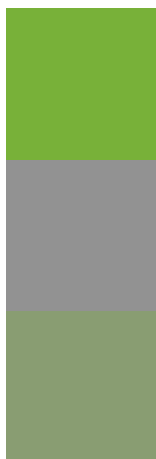
Deuteranomaly

153.2910, 37.4640, -29.1920

Tritanomaly

153.4630, -12.3300, -18.8420

Monochromacy



Original Color

146.2770, 4.5480, -49.4040

Achromatopsia

146.0000, -0.0000, -0.0000

Achromatomaly

146.1180, 1.8830, -17.6130

CSS Examples

Text

The CSS property to change the color of the text to YIQ 146.2770, 4.5480, -49.4040 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(120, 177, 57)` looks like.

```
.text, #text, p{  
    color:rgb(120, 177, 57)  
}
```

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(120, 177, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 177, 57) }
```

Border

The CSS property to change the border of an element to YIQ 146.2770, 4.5480, -49.4040 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(120, 177, 57) }
```


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

```
.border{ border-color:rgb(120, 177, 57) }
```

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

Here you see how a box with a 4 pixel rgb(120, 177, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 177, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 177, 57);  
box-shadow:4px 4px 4px 4px rgb(120, 177,  
57) }
```

Background

The CSS property to change the background color of an element to YIQ 146.2770, 4.5480, -49.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 177, 57) }
```

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

```
.background{ background-color: rgb(120,  
177, 57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor