

# Converting Colors

YIQ(127.2570, 16.4680,  
-45.1640)

Have a look what the booklet for  
YIQ(127.2570, 16.4680, -45.1640)  
contains.

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# Color

**YIQ(127.2570, 16.4680,  
-45.1640)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	739820
RGB	115, 152, 32
RGB Percent	45%, 60%, 13%
CMY	0.5492, 0.4038, 0.8743
CMYK	0.24, 0.00, 0.79, 0.40
HSL	79°, 65%, 36%
HSV	79°, 79%, 60%
XYZ	18.5567, 26.2079, 5.4500
YIQ	127.2570, 16.4680, -45.1640

# Conversions

## Conversions Part 2

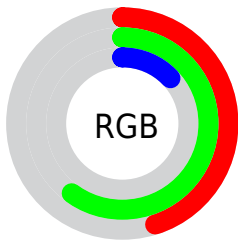
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 152, 69
Decimal	7575584
CIE <sub>Lab</sub>	58.23, -29.91, 54.28
CIE <sub>LCh</sub>	58, 61.978, 118.856
Yxy	26.2079, 0.3695, 0.5219
Android (android.graphics.Color)	4285765664 (0xFF739820)
YUV	127.2570, -46.9617, -10.7494
Hunter-Lab	51.1937, -24.8861, 29.5237

# Details

The YIQ color  $127.2570, 16.4680, -45.1640$  is a dark color, and the websafe version is hex  $669933$ . A complement of this color would be  $56.7430, -16.4680, 45.1640$ , and the grayscale version is  $128.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $181.6700, 16.7430, -44.6410$ , and  $77.8250, 9.1770, -39.6790$  is the 20% darker color. If you saturate the color by 10%, you get  $124.0520, 18.3030, -50.8890$ , and if you desaturate by 10%, it is  $130.4620, 14.6330, -39.4390$ .

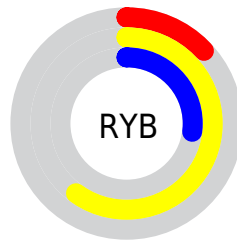
# Distribution



Red (45%)

Green (60%)

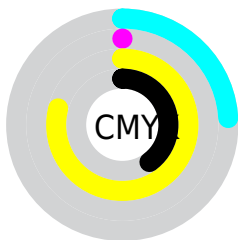
Blue (13%)



Red (13%)

Yellow (60%)

Blue (27%)

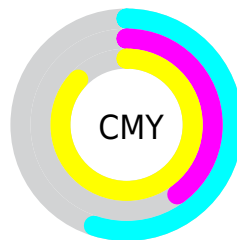


Cyan (24%)

Magenta (0%)

Yellow (79%)

Black (40%)



Cyan (55%)

Magenta (40%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 127.2570, 16.4680, -45.1640 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 127.2570, 16.4680, -45.1640 by changing the saturation by 10% instead.



■ 127.2570, 16.4680,  
-45.1640

■ 127.2570, 16.4680,  
-45.1640

■ 255.0000, -0.0000,  
-0.0000

■ 100.2740, 17.7980,  
-47.2420

■ 181.6700, 16.7430,  
-44.6410

■ 77.8250, 9.1770,  
-39.6790

■ 210.4420, 17.3850,  
-45.2630

■ 55.6640, -0.3150,  
-32.8510

■ 233.9310, 20.5020,  
-41.1780

■ 31.7090, -13.3830,  
-27.2950

■ 245.0820, 27.9270,  
-27.0570

■ 19.9580, -9.3500,  
-17.7820

■ 248.2740, 18.9390,  
-18.3490

■ 0.0000, 0.0000,  
0.0000

■ 251.5800, 9.6300,

-9.3300

254.8860, 0.3210,  
-0.3110

■ 127.2570, 16.4680,  
-45.1640

■ 127.2570, 16.4680,  
-45.1640

■ 124.0520, 18.3030,  
-50.8890

■ 130.4620, 14.6330,  
-39.4390

■ 121.1460, 20.7340,  
-56.4020

■ 133.3680, 12.2020,  
-33.9260

■ 120.6190, 20.7800,  
-57.2360

■ 136.6870, 10.0460,  
-27.8900

■ 139.8920, 8.2110,  
-22.1650

■ 142.7980, 5.7800,  
-16.6520

■ 146.0030, 3.9450,  
-10.9270

■ 149.2080, 2.1100,  
-5.2020

■ 152.5270, -0.0460,  
0.8340

■ 155.4330, -2.4770,  
6.3470

# Harmonies

## Analogous

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



131.7480, 60.8020, -33.6460



127.2570, 16.4680, -45.1640



109.1230, -59.5480, -55.1960

# Triad

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



127.2570, 16.4680, -45.1640



120.3680, -118.4720, -11.5280



136.8640, 69.5900, 49.4140

# Complementary

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



127.2570, 16.4680, -45.1640



56.7430, -16.4680, 45.1640

# 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.



143.0290, 29.7010, 50.9570



127.2570, 16.4680, -45.1640



114.6750, -120.3540, 0.5580

# Square

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



127.2570, 16.4680, -45.1640



118.6290, -106.6860, -26.8940



141.2310, -29.9460, 36.1180



135.5180, 84.4030, 28.7470



# Rectangle

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



127.2570, 16.4680, -45.1640



109.6060, -82.6570, -49.3850



141.2310, -29.9460, 36.1180



138.6980, 58.4940, 52.2700

# Sweetspot

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



127.2570, 16.4680, -45.1640



186.4560, 6.7430, -17.5850



89.0120, 61.6200, 6.6120



93.4160, 4.2200, -10.4040



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



127.2570, 16.4680, -45.1640



157.7530, 25.7340, -69.9300



109.6160, -18.6960, -57.6720



75.1910, 0.7800, -3.1240



111.1830, 19.3120, -52.6560



10.3220, 1.7890, -4.8910



# Inverse Universe

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



56.7430, -16.4680, 45.1640



48.2470, -25.7340, 69.9300



74.3840, 18.6960, 57.6720



70.5100, -1.3760, 2.9120



28.8170, -19.3120, 52.6560



2.6780, -1.7890, 4.8910



# Previews

## White Background



This preview shows how the YIQ color 127.2570, 16.4680, -45.1640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 127.2570, 16.4680, -45.1640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

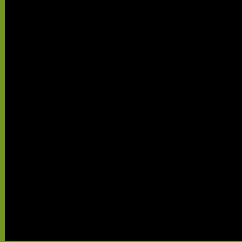
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 127.2570, 16.4680, -45.1640

## Background



This preview shows how black text looks on a background with the YIQ color 127.2570, 16.4680, -45.1640.



This preview shows how white text looks on a background with the YIQ color 127.2570, 16.4680,

-45.1640.

# 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

127.2570, 16.4680, -45.1640

### Protanopia

132.4290, 45.7630, -30.9170

### Deuteranopia

134.5970, 54.5180, -18.8740



## Tritanopia

139.0680, -11.8750, 0.4530

# Trichromacy



## Original Color

127.2570, 16.4680, -45.1640

## Protanomaly

130.4060, 35.4020, -35.8780

## Deuteranomaly

131.6720, 40.7650, -28.4430

## Tritanomaly

134.9050, -1.8310, -16.3830

# Monochromacy



## Original Color

127.2570, 16.4680, -45.1640

## Achromatopsia

127.0000, -0.0000, -0.0000

## Achromatomaly

127.0970, 6.3760, -16.4400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 127.2570, 16.4680, -45.1640 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(115, 152, 32)` looks like.

```
.text, #text, p{  
    color:rgb(115, 152, 32)  
}
```

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(115, 152, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 152, 32) }
```

## Border

The CSS property to change the border of an element to YIQ 127.2570, 16.4680, -45.1640 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(115, 152, 32) }
```



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

```
.border{ border-color:rgb(115, 152, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 152, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 152, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 152, 32);  
box-shadow:4px 4px 4px 4px rgb(115, 152,  
32) }
```

# Background

The CSS property to change the background color of an element to YIQ 127.2570, 16.4680, -45.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 152, 32) }
```

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

```
.background{ background-color: rgb(115,  
152, 32) }
```

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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