

Converting Colors

YIQ(117.6740, -15.4430,
-45.0350)

Have a look what the booklet for
YIQ(117.6740, -15.4430, -45.0350)
contains.

| | |
|--|----|
| YIQ(117.6740, -15.4430, -45.0350) | 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(117.6740, -15.4430,
-45.0350)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4B973A |
| RGB | 75, 151, 58 |
| RGB Percent | 29%, 59%, 23% |
| CMY | 0.7061, 0.4077, 0.7725 |
| CMYK | 0.50, 0.00, 0.62, 0.41 |
| HSL | 109°, 45%, 41% |
| HSV | 109°, 62%, 59% |
| XYZ | 14.7324, 23.9423, 7.8482 |
| YIQ | 117.6740, -15.4430, -45.0350 |

Conversions

Conversions Part 2

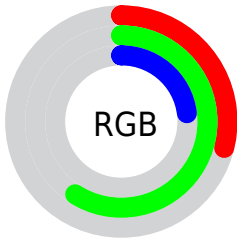
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 58, 151, 134 |
| Decimal | 4953914 |
| CIELab | 56.03, -41.89, 40.96 |
| CIELCh | 56, 58.584, 135.646 |
| Yxy | 23.9423, 0.3167, 0.5146 |
| Android (android.graphics.Color) | 4283143994 (0xFF4B973A) |
| YUV | 117.6740, -29.4193, -37.4251 |
| Hunter-Lab | 48.9309, -31.8853, 24.7419 |

Details

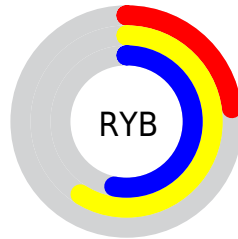
The YIQ color **117.6740, -15.4430, -45.0350** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **91.3260, 15.4430, 45.0350**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **172.2180, -14.1590, -46.2790**, and **61.4450, -22.2280, -48.7240** is the 20% darker color. If you saturate the color by 10%, you get **112.3760, -17.7800, -52.2440**, and if you desaturate by 10%, it is **122.9720, -13.1060, -37.8260**.

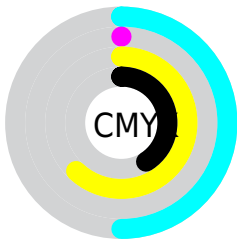
Distribution



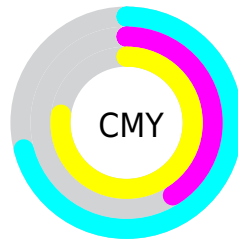
- Red (29%)
- Green (59%)
- Blue (23%)



- Red (23%)
- Yellow (59%)
- Blue (53%)



- Cyan (50%)
- Magenta (0%)
- Yellow (62%)
- Black (41%)



- Cyan (71%)
- Magenta (41%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.6740, -15.4430, -45.0350 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 117.6740, -15.4430, -45.0350 by changing the saturation by 10% instead.

■ 117.6740,
-15.4430, -45.0350

■ 117.6740,
-15.4430, -45.0350

■ 255.0000, -0.0000,
-0.0000

■ 91.1900, -16.9560,
-45.1480

■ 172.2180,
-14.1590, -46.2790

■ 61.4450, -22.2280,
-48.7240

■ 199.6910,
-14.1130, -47.1130

■ 44.0250, -20.6250,
-39.2250

■ 223.7670,
-11.2710, -43.5510

■ 29.9370, -14.0250,
-26.6730

■ 235.2170, -3.2500,
-29.2180

■ 17.0230, -7.9750,
-15.1670

■ 247.3790, 5.6420,
-14.1500

■ 0.0000, 0.0000,
0.0000

■ 253.9740, 2.8890,

-2.7990

■ 117.6740,
-15.4430, -45.0350

■ 117.6740,
-15.4430, -45.0350

■ 112.3760,
-17.7800, -52.2440

■ 122.9720,
-13.1060, -37.8260

■ 106.7790,
-20.7130, -59.6650

■ 128.5690,
-10.1730, -30.4050

■ 101.4810,
-23.0500, -66.8740

■ 133.8670, -7.8360,
-23.1960

■ 96.7100, -25.4330,
-73.2490

■ 139.1650, -5.4990,
-15.9870

■ 144.8760, -2.8870,
-8.2550

■ 150.1740, -0.5500,
-1.0460

■ 155.4720, 1.7870,
6.1630

■ 161.0690, 4.7200,
13.5840

■ 166.3670, 7.0570,
20.7930

Harmonies

Analogous

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



124.8250, 35.5400, -38.3800



117.6740, -15.4430, -45.0350



104.3570, -77.5220, -48.8340

Triad

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



117.6740, -15.4430, -45.0350



112.8510, -115.2180, -4.4180



130.5960, 75.7360, 37.1440

Complementary

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



117.6740, -15.4430, -45.0350



91.3260, 15.4430, 45.0350

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.



134.5830, 51.3880, 48.8920



117.6740, -15.4430, -45.0350



128.5750, -60.7540, 21.7580

Square

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



117.6740, -15.4430, -45.0350



115.0560, -109.0260, -17.5220



138.2970, 5.2190, 43.0990



130.7430, 78.6750, 11.4030

Rectangle

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



117.6740, -15.4430, -45.0350



109.0480, -89.3530, -38.1610



138.2970, 5.2190, 43.0990



131.0610, 70.2330, 43.2650

Sweetspot

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



117.6740, -15.4430, -45.0350



183.3390, -6.0490, -17.0330



130.4190, 34.5280, -20.0320



91.5230, -3.3910, -10.1350



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.



117.6740, -15.4430, -45.0350



143.8890, -24.3790, -70.3230



115.8970, -34.8840, -39.6200



73.9950, -1.6040, -3.9720



89.9540, -23.0040, -67.7080



8.2290, -2.3830, -6.3750

Inverse Universe

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



91.3260, 15.4430, 45.0350



103.1110, 24.3790, 70.3230



93.1030, 34.8840, 39.6200



71.7060, 1.0080, 3.7600



50.3450, 23.6000, 67.9200



4.4720, 1.7870, 6.1630

Previews

White Background



This preview shows how the YIQ color 117.6740, -15.4430, -45.0350 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 117.6740, -15.4430, -45.0350 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 117.6740, -15.4430, -45.0350 Background



This preview shows how black text looks on a background with the YIQ color 117.6740, -15.4430, -45.0350.



This preview shows how white text looks on a background with the YIQ color 117.6740, -15.4430, -45.0350.

-45.0350.

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

117.6740, -15.4430, -45.0350

Protanopia

129.2510, 34.9410, -22.0110

Deuteranopia

131.2940, 42.5500, -11.2260



Tritanopia

128.6030, -32.7350, -6.9670

Trichromacy



Original Color

117.6740, -15.4430, -45.0350

Protanomaly

124.9280, 16.5570, -30.2510

Deuteranomaly

126.3680, 21.3700, -23.8620

Tritanomaly

124.2810, -26.4970, -20.9050

Monochromacy



Original Color

117.6740, -15.4430, -45.0350

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

117.7520, -5.7740, -16.5100

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.6740, -15.4430, -45.0350 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(75, 151, 58)` looks like.

```
.text, #text, p{  
    color:rgb(75, 151, 58)  
}
```

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(75, 151, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 151, 58) }
```

Border

The CSS property to change the border of an element to YIQ 117.6740, -15.4430, -45.0350 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(75, 151, 58) }
```


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

```
.border{ border-color:rgb(75, 151, 58) }
```

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

Here you see how a box with a 4 pixel rgb(75, 151, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 151, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 151, 58);  
box-shadow:4px 4px 4px 4px rgb(75, 151,  
58) }
```

Background

The CSS property to change the background color of an element to YIQ 117.6740, -15.4430, -45.0350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 151, 58) }
```

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

```
.background{ background-color: rgb(75, 151,  
58) }
```

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