

# Converting Colors

YIQ(54.6140, -11.7910, 43.0010)

Have a look what the booklet for  
YIQ(54.6140, -11.7910, 43.0010)  
contains.

<b>YIQ(54.6140, -11.7910, 43.0010)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(54.6140, -11.7910,  
43.0010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	461E8D
RGB	70, 30, 141
RGB Percent	27%, 12%, 55%
CMY	0.7253, 0.8824, 0.4472
CMYK	0.50, 0.79, 0.00, 0.45
HSL	262°, 65%, 34%
HSV	262°, 79%, 55%
XYZ	7.7979, 4.1534, 25.5768
YIQ	54.6140, -11.7910, 43.0010

# Conversions

## Conversions Part 2

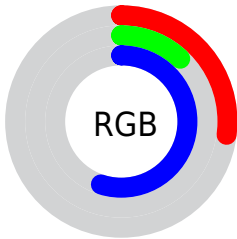
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 30, 141
Decimal	4595341
CIELab	24.17, 44.10, -54.14
CIELCh	24, 69.831, 309.168
Yxy	4.1534, 0.2078, 0.1107
Android (android.graphics.Color)	4282785421 (0xFF461E8D)
YUV	54.6140, 42.5883, 13.4935
Hunter-Lab	20.3800, 32.6333, -60.1427

# Details

The YIQ color **54.6140, -11.7910, 43.0010** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **116.3860, 11.7910, -43.0010**, and the grayscale version is **54.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **106.3910, -9.5450, 46.3510**, and **10.8580, -27.6980, 28.4140** is the 20% darker color. If you saturate the color by 10%, you get **43.7050, -13.3050, 48.4150**, and if you desaturate by 10%, it is **65.5230, -10.2770, 37.5870**.

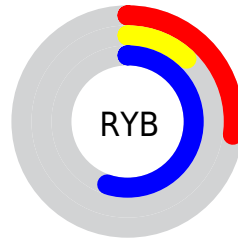
# Distribution



Red (27%)

Green (12%)

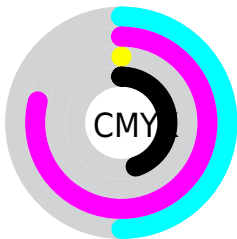
Blue (55%)



Red (27%)

Yellow (12%)

Blue (55%)

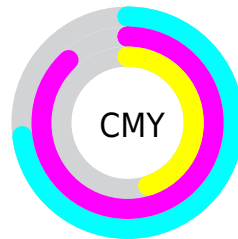


Cyan (50%)

Magenta (79%)

Yellow (0%)

Black (45%)



Cyan (73%)

Magenta (88%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 54.6140, -11.7910, 43.0010 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 54.6140, -11.7910, 43.0010 by changing the saturation by 10% instead.



■ 54.6140, -11.7910,  
43.0010

■ 54.6140, -11.7910,  
43.0010

■ 255.0000, -0.0000,  
-0.0000

■ 27.1300, -13.3040,  
42.8880

■ 106.3910, -9.5450,  
46.3510

■ 10.8580, -27.6980,  
28.4140

■ 132.6300, -8.7200,  
47.9200

■ 7.4100, -20.8650,  
20.2150

■ 159.5700, -8.4910,  
49.2770

■ 6.5490, -14.3070,  
11.4930

■ 184.3180, 0.7260,  
41.9260

■ 2.8670, -6.6950,  
5.6970

■ 208.8380, 10.5850,  
33.9530

■ 0.0000, 0.0000,  
0.0000

■ 229.7590, 11.8250,

22.4890

246.7820, 3.8500,  
7.3220

54.6140, -11.7910,  
43.0010

54.6140, -11.7910,  
43.0010

43.7050, -13.3050,  
48.4150

65.5230, -10.2770,  
37.5870

32.7960, -14.8190,  
53.8290

76.4320, -8.7630,  
32.1730

31.3230, -14.8650,  
54.6630

87.3410, -7.2490,  
26.7590

98.2500, -5.7350,  
21.3450

109.1590, -4.2210,  
15.9310

■ 120.6550, -2.9820,  
9.9940

■ 131.5640, -1.4680,  
4.5800

■ 142.4730, 0.0460,  
-0.8340

■ 153.3820, 1.5600,  
-6.2480

# Harmonies

## Analogous

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



54.6170, -69.7400, 19.4120



54.6140, -11.7910, 43.0010



48.9170, 44.8760, 56.7800

# Triad

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



54.6140, -11.7910, 43.0010



52.7930, 48.8750, 0.8030



52.9340, -44.3330, -17.0450

# Complementary

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



54.6140, -11.7910, 43.0010



116.3860, 11.7910, -43.0010

# 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.



45.1480, -25.1650, -34.0370



54.6140, -11.7910, 43.0010



52.8500, 17.1970, -19.8190

# Square

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



54.6140, -11.7910, 43.0010



39.1690, 78.0760, 27.7720



41.0900, -19.2500, -36.6100



59.3350, -60.9790, -1.7070



# Rectangle

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



54.6140, -11.7910, 43.0010



49.2270, 64.1340, 49.1740



41.0900, -19.2500, -36.6100



50.8820, -38.5550, -22.6430

# Sweetspot

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



54.6140, -11.7910, 43.0010



149.5010, -5.1840, 16.8640



84.9180, -55.4310, -3.1350



71.0680, -2.7070, 10.5170



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



54.6140, -11.7910, 43.0010



49.2600, -18.5810, 66.9470



70.7600, 20.3930, 54.4490



65.6950, -0.4590, 2.8130



30.0410, -14.1310, 52.3730



1.8090, -0.7800, 3.1240



# Inverse Universe

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



71.2830, 43.3650, 45.6130



75.2670, 67.7980, 70.8860



100.2400, -20.3930, -54.4490



66.6630, 2.5670, 3.0390



50.1690, 52.8540, 55.3660

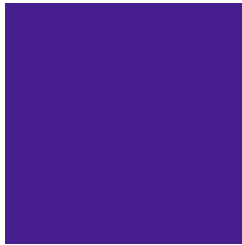


2.9620, 3.1630, 3.2510



# Previews

## White Background



This preview shows how the YIQ color 54.6140, -11.7910, 43.0010 looks on a white 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



# Black Background



This preview shows how the YIQ color 54.6140, -11.7910, 43.0010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

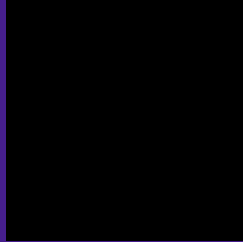
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 54.6140, -11.7910, 43.0010

## Background



This preview shows how black text looks on a background with the YIQ color 54.6140, -11.7910, 43.0010.



This preview shows how white text looks on a background with the YIQ color 54.6140, -11.7910,



# 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

54.6140, -11.7910, 43.0010

### Protanopia

46.3240, -53.2780, 7.4100

### Deuteranopia

46.8480, -49.2420, 0.3420



## Tritanopia

56.9820, -8.7570, -0.9890

# Trichromacy



## Original Color

54.6140, -11.7910, 43.0010

## Protanomaly

49.4280, -38.4710, 19.9050

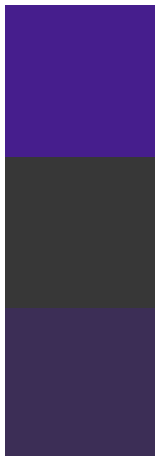
## Deuteranomaly

49.4620, -35.8110, 15.7490

## Tritanomaly

56.1090, -9.9520, 15.1680

# Monochromacy



## Original Color

54.6140, -11.7910, 43.0010

## Achromatopsia

55.0000, 0.0000, 0.0000

## Achromatomaly

54.7460, -4.4960, 15.4080

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 54.6140, -11.7910, 43.0010 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(70, 30, 141)` looks like.

```
.text, #text, p{  
    color:rgb(70, 30, 141)  
}
```

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(70, 30, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 30, 141) }
```

## Border

The CSS property to change the border of an element to YIQ 54.6140, -11.7910, 43.0010 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(70, 30, 141) }
```



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

```
.border{ border-color:rgb(70, 30, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 30, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 30, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 30, 141);  
box-shadow:4px 4px 4px 4px rgb(70, 30,  
141) }
```

# Background

The CSS property to change the background color of an element to YIQ 54.6140, -11.7910, 43.0010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 30, 141) }
```

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

```
.background{ background-color: rgb(70, 30,  
141) }
```

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