

# Converting Colors

YIQ(144.7540, 80.1420, 12.3500)

Have a look what the booklet for  
YIQ(144.7540, 80.1420, 12.3500)  
contains.

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# Color

**YIQ(144.7540, 80.1420,  
12.3500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5734D
RGB	229, 115, 77
RGB Percent	90%, 45%, 30%
CMY	0.1017, 0.5492, 0.6977
CMYK	0.00, 0.50, 0.66, 0.10
HSL	15°, 75%, 60%
HSV	15°, 66%, 90%
XYZ	39.8012, 29.4560, 10.6254
YIQ	144.7540, 80.1420, 12.3500

# Conversions

## Conversions Part 2

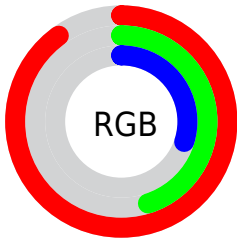
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 128, 77
Decimal	15037261
CIE <sub>Lab</sub>	61.18, 41.39, 40.99
CIE <sub>LCh</sub>	61, 58.256, 44.723
Yxy	29.4560, 0.4982, 0.3687
Android (android.graphics.Color)	4293227341 (0xFFE5734D)
YUV	144.7540, -33.4027, 73.8837
Hunter-Lab	54.2734, 35.9240, 26.3838

# Details

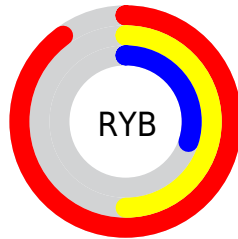
The YIQ color **144.7540, 80.1420, 12.3500** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **161.2460, -80.1420, -12.3500**, and the grayscale version is **145.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **189.9260, 64.7380, 5.1700**, and **90.6330, 73.1730, 11.9970** is the 20% darker color. If you saturate the color by 10%, you get **132.1530, 92.2000, 14.0880**, and if you desaturate by 10%, it is **157.3550, 68.0840, 10.6120**.

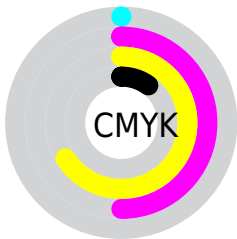
# Distribution



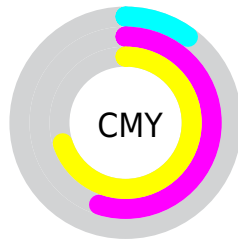
- Red (90%)
- Green (45%)
- Blue (30%)



- Red (90%)
- Yellow (50%)
- Blue (30%)



- Cyan (0%)
- Magenta (50%)
- Yellow (66%)
- Black (10%)




- Cyan (10%)
- Magenta (55%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 144.7540, 80.1420, 12.3500 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 144.7540, 80.1420, 12.3500 by changing the saturation by 10% instead.





 144.7540, 80.1420,  
12.3500


 144.7540, 80.1420,  
12.3500


255.0000, -0.0000,  
-0.0000


 117.4870, 76.5200,  
11.9120


 189.9260, 64.7380,  
5.1700


 90.6330, 73.1730,  
11.9970


 209.4400, 48.3710,  
-1.0770

 63.6650, 70.1470,  
11.7710


 228.9540, 32.0040,  
-7.3240

 34.9390, 63.8640,  
21.0160

 249.0550, 15.3620,  
-14.0940

 23.6210, 47.0840,  
16.7480

 252.9480, 5.7780,  
-5.5980

 15.9610, 31.2670,  
11.5470

 2.6910, 5.3640,

1.9080

■ 0.0000, 0.0000,  
0.0000

■ 144.7540, 80.1420,  
12.3500

■ 144.7540, 80.1420,  
12.3500

■ 132.1530, 92.2000,  
14.0880

■ 157.3550, 68.0840,  
10.6120

■ 119.5520,  
104.2580, 15.8260

■ 169.9560, 56.0260,  
8.8740

■ 106.3640,  
116.5910, 18.0870

■ 183.1440, 43.6930,  
6.6130

■ 101.9300,  
120.8090, 18.7370

■ 195.7450, 31.6350,  
4.8750

■ 208.3460, 19.5770,  
3.1370

■ 220.9470, 7.5190,  
1.3990

■ 233.4340, -4.2180,  
-0.6500

■ 246.0520,  
-14.9460, -4.4660

■ 247.2260,  
-15.4960, -5.5120

# Harmonies

## Analogous

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



145.1940, 76.9280, 37.5680



144.7540, 80.1420, 12.3500



143.2240, 65.9340, -16.5140

# Triad

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



144.7540, 80.1420, 12.3500



113.9430, -85.2240, -52.4240



142.3900, -61.6710, 21.8570

# Complementary

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



144.7540, 80.1420, 12.3500



161.2460, -80.1420, -12.3500

# 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.



122.6650, -123.5620, -7.3860



144.7540, 80.1420, 12.3500



121.1590, -102.7870, -36.9870

# Square

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



144.7540, 80.1420, 12.3500



132.3430, -13.0130, -45.0210



124.7560, -117.0490, -20.8010



152.1120, 4.3020, 43.1980



# Rectangle

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



144.7540, 80.1420, 12.3500



140.5710, 48.2390, -31.7370



124.7560, -117.0490, -20.8010



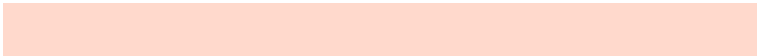
128.9120, -98.8520, 7.3560

# Sweetspot

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



144.7540, 80.1420, 12.3500



226.8800, 26.8210, 4.0130



135.7860, 53.0350, 68.6110



110.9650, 16.2760, 2.3880



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.



144.7540, 80.1420, 12.3500



141.9330, 107.5590, 16.5750



188.1920, 59.7920, -26.3520



108.3490, 6.3270, 0.9750



79.3490, 94.5840, 14.9360



22.8800, 26.8210, 4.0130



# Inverse Universe

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



161.2460, -80.1420, -12.3500



164.0670, -107.5590, -16.5750



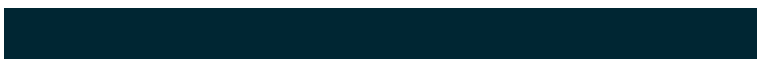
118.3950, -60.0670, 25.8290



109.6510, -6.3270, -0.9750



99.0640, -94.3090, -14.4130



28.1200, -26.8210, -4.0130



# Previews

## White Background



This preview shows how the YIQ color 144.7540, 80.1420, 12.3500 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 144.7540, 80.1420, 12.3500 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 144.7540, 80.1420, 12.3500

## Background



This preview shows how black text looks on a background with the YIQ color 144.7540, 80.1420, 12.3500.



This preview shows how white text looks on a background with the YIQ color 144.7540, 80.1420,



# 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

144.7540, 80.1420, 12.3500

### Protanopia

145.4600, 27.2830, -15.3810

### Deuteranopia

145.6920, 47.1810, -12.5550



## Tritanopia

146.9770, 69.8690, 27.8290

# Trichromacy



**Original Color**

144.7540, 80.1420, 12.3500

**Protanomaly**

145.1360, 46.1710, -5.2610

**Deuteranomaly**

145.7200, 59.1460, -3.6220

**Tritanomaly**

146.1420, 73.5380, 21.9060

# Monochromacy



**Original Color**

144.7540, 80.1420, 12.3500

**Achromatopsia**

145.0000, 0.0000, -0.0000

**Achromatomaly**

144.9620, 29.5260, 4.5500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 144.7540, 80.1420, 12.3500 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(229, 115, 77)` looks like.

```
.text, #text, p{  
    color:rgb(229, 115, 77)  
}
```

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(229, 115, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 115, 77) }
```

## Border

The CSS property to change the border of an element to YIQ 144.7540, 80.1420, 12.3500 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(229, 115, 77) }
```



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

```
.border{ border-color:rgb(229, 115, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 115, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 115, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 115, 77);  
box-shadow:4px 4px 4px 4px rgb(229, 115,  
77) }
```

# Background

The CSS property to change the background color of an element to YIQ 144.7540, 80.1420, 12.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 115, 77) }
```

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

```
.background{ background-color: rgb(229,  
115, 77) }
```

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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