

# Converting Colors

YIQ(144.4660, 106.2350,  
-14.5090)

Have a look what the booklet for  
YIQ(144.4660, 106.2350, -14.5090)  
contains.

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# Color

**YIQ(144.4660, 106.2350,  
-14.5090)**

# Conversions

Conversions Part 1	
Format	Color
Hex	ED7D02
RGB	237, 125, 2
RGB Percent	93%, 49%, 1%
CMY	0.0704, 0.5100, 0.9916
CMYK	0.00, 0.47, 0.99, 0.07
HSL	31°, 98%, 47%
HSV	31°, 99%, 93%
XYZ	42.2805, 32.6728, 4.1393
YIQ	144.4660, 106.2350, -14.5090

# Conversions

## Conversions Part 2

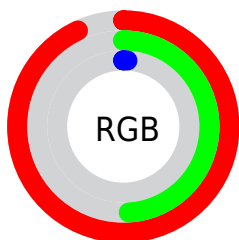
Format	Color
<a href="#">RYB</a>	<a href="#">216, 237, 2</a>
Decimal	<a href="#">15564034</a>
CIELab	<a href="#">63.90, 37.31, 70.50</a>
CIELCh	<a href="#">64, 79.765, 62.113</a>
Yxy	<a href="#">32.6728, 0.5346, 0.4131</a>
Android (android.graphics.Color)	<a href="#">4293754114</a> (0xFFED7D02)
YUV	<a href="#">144.4660, -70.2357, 81.1523</a>
Hunter-Lab	<a href="#">57.1601, 32.0038, 35.7186</a>

# Details

The YIQ color **144.4660, 106.2350, -14.5090** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **94.5340, -106.2350, 14.5090**, and the grayscale version is **145.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **189.5260, 79.6430, -17.1650**, and **95.4640, 83.3540, -1.8140** is the 20% darker color. If you saturate the color by 10%, you get **143.6510, 107.1520, -14.6080**, and if you desaturate by 10%, it is **153.6590, 95.5060, -12.7980**.

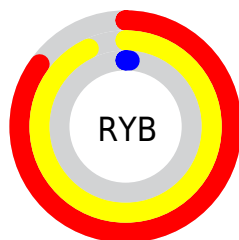
# Distribution



Red (93%)

Green (49%)

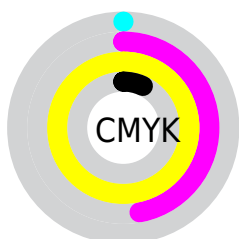
Blue (1%)



Red (85%)

Yellow (93%)

Blue (1%)

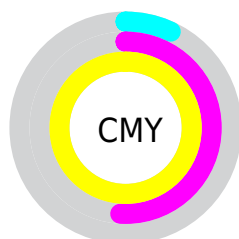


Cyan (0%)

Magenta (47%)

Yellow (99%)

Black (7%)



Cyan (7%)

Magenta (51%)


Yellow (99%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 144.4660, 106.2350, -14.5090 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 144.4660, 106.2350, -14.5090 by changing the saturation by 10% instead.





 144.4660,  
106.2350, -14.5090


 144.4660,  
106.2350, -14.5090


 255.0000, -0.0000,  
-0.0000

 119.4080, 94.9550,  
-8.3170


 189.5260, 79.6430,  
-17.1650


 95.4640, 83.3540,  
-1.8140


 209.0400, 63.2760,  
-23.4120


 71.5200, 71.7530,  
4.6890


 228.5540, 46.9090,  
-29.6590

 46.9890, 60.4270,  
11.7150

 243.4860, 32.4210,  
-31.4110

 24.8170, 49.4680,  
17.5960

 246.6780, 23.4330,  
-22.7030


 16.7440, 33.3760,  
11.8720


 249.9840, 14.1240,


 6.8770, 13.7080,


-13.6840


4.8760

 253.2900, 4.8150,  
-4.6650

 0.0000, 0.0000,  
0.0000


 144.4660,  
106.2350, -14.5090


 144.4660,  
106.2350, -14.5090

 143.6510,  
107.1520, -14.6080

 153.6590, 95.5060,  
-12.7980

 163.4390, 84.5020,  
-11.6100

 172.5180, 74.0940,  
-10.2100

 181.7110, 63.3650,  
-8.4990

 191.4910, 52.3610,  
-7.3110

■ 200.5700, 41.9530,  
-5.9110

■ 209.7630, 31.2240,  
-4.2000

■ 218.9560, 20.4950,  
-2.4890

■ 228.6220, 9.8120,  
-1.6120

# Harmonies

## Analogous

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



138.6510, 100.2660, 33.1140



144.4660, 106.2350, -14.5090



144.2290, 66.3970, -41.4350

# Triad

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



144.4660, 106.2350, -14.5090



127.1940, -101.8680, -48.1400



154.0840, -24.8580, 43.0300

# Complementary

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



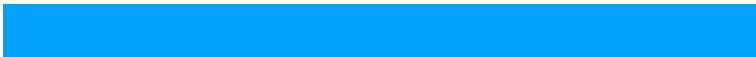
144.4660, 106.2350, -14.5090



94.5340, -106.2350, 14.5090

# 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.



124.1640, -126.4050, -5.4210



144.4660, 106.2350, -14.5090



135.2880, -124.6590, -26.0590

# Square

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



144.4660, 106.2350, -14.5090



116.4100, -77.0140, -69.0620



134.1430, -131.0800, -14.3120



154.4310, 46.8450, 70.6610



# Rectangle

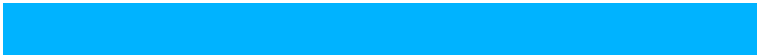
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



144.4660, 106.2350, -14.5090



138.6930, 35.1310, -58.5090



134.1430, -131.0800, -14.3120



145.5910, -57.6830, 26.6770

# Sweetspot

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



144.4660, 106.2350, -14.5090



224.6170, 34.5710, -4.2850



85.2610, 103.4660, 85.2740



109.8420, 20.8160, -2.8000



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.



144.4660, 106.2350, -14.5090



154.3160, 115.4050, -15.4990



209.0140, 73.0510, -73.9330



112.8110, 4.9060, -0.8060



109.8840, 81.7510, -11.3130



32.5820, 24.4840, -3.1960



# Inverse Universe

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



94.5340, -106.2350, 14.5090



100.6840, -115.4050, 15.4990



29.9860, -73.0510, 73.9330



110.1890, -4.9060, 0.8060



71.1160, -81.7510, 11.3130



21.4180, -24.4840, 3.1960



# Previews

## White Background



This preview shows how the YIQ color 144.4660, 106.2350, -14.5090 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 144.4660, 106.2350, -14.5090 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 144.4660, 106.2350, -14.5090 Background



This preview shows how black text looks on a background with the YIQ color 144.4660, 106.2350, -14.5090.



This preview shows how white text looks on a background with the YIQ color 144.4660, 106.2350, -14.5090.



# 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

144.4660, 106.2350, -14.5090

### Protanopia

146.1770, 54.9800, -38.2680

### Deuteranopia

144.8930, 76.3910, -35.3290



## Tritanopia

154.2870, 71.9320, 28.9880

# Trichromacy



**Original Color**  
144.4660, 106.2350, -14.5090

**Protanomaly**  
145.9130, 73.6390, -29.5050

**Deuteranomaly**  
144.7960, 87.2100, -27.6540

**Tritanomaly**  
150.7330, 84.6350, 13.5230

# Monochromacy



**Original Color**  
144.4660, 106.2350, -14.5090

**Achromatopsia**  
144.0000, -0.0000, 0.0000

**Achromatomaly**  
144.1290, 38.8810, -5.3030

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 144.4660, 106.2350, -14.5090 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(237, 125, 2)` looks like.

```
.text, #text, p{  
    color:rgb(237, 125, 2)  
}
```

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(237, 125, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 125, 2) }
```

## Border

The CSS property to change the border of an element to YIQ 144.4660, 106.2350, -14.5090 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(237, 125, 2) }
```



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

```
.border{ border-color:rgb(237, 125, 2) }
```

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

Here you see how a box with a 4 pixel rgb(237, 125, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 125, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 125, 2);  
box-shadow:4px 4px 4px 4px rgb(237, 125,  
2) }
```

# Background

The CSS property to change the background color of an element to YIQ 144.4660, 106.2350, -14.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 125, 2) }
```

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

```
.background{ background-color: rgb(237,  
125, 2) }
```

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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