

Converting Colors

YIQ(149.6030, 116.2750,
-9.2370)

Have a look what the booklet for
YIQ(149.6030, 116.2750, -9.2370)
contains.

YIQ(149.6030, 116.2750, -9.2370)	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(149.6030, 116.2750,
-9.2370)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7C05
RGB	255, 124, 5
RGB Percent	100%, 49%, 2%
CMY	0.0000, 0.5139, 0.9798
CMYK	0.00, 0.51, 0.98, 0.00
HSL	29°, 100%, 51%
HSV	29°, 98%, 100%
XYZ	48.4689, 35.6727, 4.4786
YIQ	149.6030, 116.2750, -9.2370

Conversions

Conversions Part 2

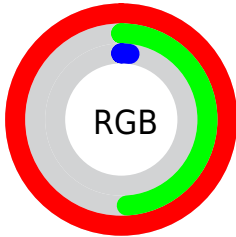
Format	Color
R _Y B	255, 232, 5
Decimal	16743429
CIE Lab	66.27, 44.86, 72.81
CIE LCh	66, 85.514, 58.362
Yxy	35.6727, 0.5469, 0.4025
Android (android.graphics.Color)	4294933509 (0xFFFF7C05)
YUV	149.6030, -71.2893, 92.4332
Hunter-Lab	59.7266, 40.3333, 37.3628

Details

The YIQ color **149.6030, 116.2750, -9.2370** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **110.3970, -116.2750, 9.2370**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **189.7540, 79.0010, -16.5430**, and **99.0740, 93.4400, 2.6240** is the 20% darker color. If you saturate the color by 10%, you get **147.2720, 118.7050, -9.2230**, and if you desaturate by 10%, it is **160.1980, 104.3540, -7.9500**.

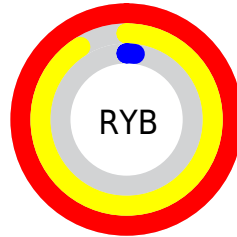
Distribution



Red (100%)

Green (49%)

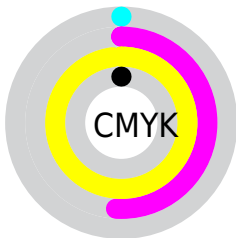
Blue (2%)



Red (100%)

Yellow (91%)

Blue (2%)

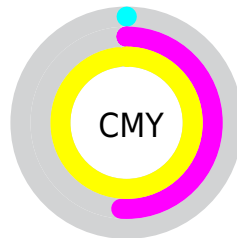


Cyan (0%)

Magenta (51%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (51%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 149.6030, 116.2750, -9.2370 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 149.6030, 116.2750, -9.2370 by changing the saturation by 10% instead.


 149.6030,
116.2750, -9.2370


 149.6030,
116.2750, -9.2370


255.0000, -0.0000,
-0.0000


 123.9040,
105.3620, -4.1900

 189.1670, 79.2760,
-16.0200


 98.4870, 93.7150,
3.1470


 209.2680, 62.6340,
-22.7900


 73.9560, 82.3890,
10.1730


 228.8960, 45.9460,
-28.7260

 46.4900, 72.4380,
19.8140

 243.7140, 31.7790,
-30.7890

 29.0030, 57.8120,
20.5640

 247.0200, 22.4700,
-21.7700


 20.3320, 40.5280,
14.4160


 250.2120, 13.4820,

 12.6720, 24.7110,

-13.0620


9.2150


 253.5180, 4.1730,
-4.0430


 0.0000, 0.0000,
0.0000


 149.6030,
116.2750, -9.2370

 149.6030,
116.2750, -9.2370

 147.2720,
118.7050, -9.2230

 160.1980,
104.3540, -7.9500

 171.2660, 92.4790,
-7.4970

 181.8610, 80.5580,
-6.2100

 192.3420, 68.9580,
-5.2340

 203.5240, 56.7620,
-4.4700

■ 214.0050, 45.1620,
-3.4940

■ 225.1870, 32.9660,
-2.7300

■ 235.6680, 21.3660,
-1.7540

■ 246.2630, 9.4450,
-0.4670

Harmonies

Analogous

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



136.7420, 98.7520, 38.5280



149.6030, 116.2750, -9.2370



151.0620, 74.2370, -40.3470

Triad

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



149.6030, 116.2750, -9.2370



131.4340, -102.7840, -53.5680



155.4800, -35.0810, 35.5670

Complementary

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



149.6030, 116.2750, -9.2370



110.3970, -116.2750, 9.2370

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.



130.0340, -129.1550, -10.6510



149.6030, 116.2750, -9.2370



140.9130, -128.0970, -29.8330

Square

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



149.6030, 116.2750, -9.2370



119.3790, -75.7290, -75.8330



140.0130, -133.8300, -19.5420



160.8420, 41.4340, 75.1140

Rectangle

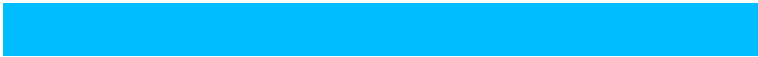
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



149.6030, 116.2750, -9.2370



145.8140, 42.1000, -58.1560



140.0130, -133.8300, -19.5420



141.5940, -80.1010, 14.4510

Sweetspot

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



149.6030, 116.2750, -9.2370



223.6710, 34.4790, -2.6170



94.9120, 106.3070, 94.3630



108.7820, 21.0450, -1.4430



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.



149.6030, 116.2750, -9.2370



147.2720, 118.7050, -9.2230



221.8040, 82.4500, -73.5660



122.4090, 6.0980, -0.3820



110.5260, 88.8110, -7.1010



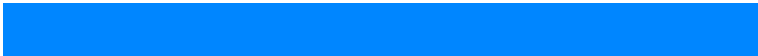
36.7460, 29.8940, -2.1220

Inverse Universe

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



110.3970, -116.2750, 9.2370



107.7280, -118.7050, 9.2230



38.1960, -82.4500, 73.5660



120.0040, -5.8230, 0.9050



80.4740, -88.8110, 7.1010



26.6670, -29.6190, 2.6450

Previews

White Background



This preview shows how the YIQ color 149.6030, 116.2750, -9.2370 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 149.6030, 116.2750, -9.2370 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 149.6030, 116.2750, -9.2370

Background



This preview shows how black text looks on a background with the YIQ color 149.6030, 116.2750, -9.2370.



This preview shows how white text looks on a background with the YIQ color 149.6030, 116.2750, -9.2370.

-9.2370.

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

149.6030, 116.2750, -9.2370

Protanopia

152.1340, 56.5390, -38.9890

Deuteranopia

150.8070, 79.5090, -36.7710



Tritanopia

159.7610, 79.4050, 31.2210

Trichromacy



Original Color

149.6030, 116.2750, -9.2370

Protanomaly

151.3050, 78.4070, -27.8090

Deuteranomaly

150.2590, 93.2160, -26.3680

Tritanomaly

155.9190, 92.9790, 16.4910

Monochromacy



Original Color

149.6030, 116.2750, -9.2370

Achromatopsia

150.0000, -0.0000, -0.0000

Achromatomaly

150.0370, 42.1360, -3.7200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 149.6030, 116.2750, -9.2370 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(255, 124, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 5)  
}
```

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(255, 124, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 5) }
```

Border

The CSS property to change the border of an element to YIQ 149.6030, 116.2750, -9.2370 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(255, 124, 5) }
```


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

```
.border{ border-color:rgb(255, 124, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
5) }
```

Background

The CSS property to change the background color of an element to YIQ 149.6030, 116.2750, -9.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 5) }
```

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

```
.background{ background-color: rgb(255,  
124, 5) }
```

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