

Converting Colors

YIQ(149.7120, 106.3230, 5.9310)

Have a look what the booklet for
YIQ(149.7120, 106.3230, 5.9310)
contains.

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Color

**YIQ(149.7120, 106.3230,
5.9310)**

Conversions

Conversions Part 1	
Format	Color
Hex	FF752A
RGB	255, 117, 42
RGB Percent	100%, 46%, 16%
CMY	0.0000, 0.5414, 0.8348
CMYK	0.00, 0.54, 0.83, 0.00
HSL	21°, 100%, 58%
HSV	21°, 83%, 100%
XYZ	48.0146, 34.1371, 6.2605
YIQ	149.7120, 106.3230, 5.9310

Conversions

Conversions Part 2

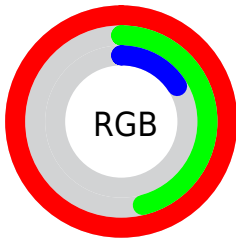
Format	Color
RYB	255, 158, 42
Decimal	16741674
CIELab	65.07, 48.77, 62.58
CIELCh	65, 79.342, 52.073
Yxy	34.1371, 0.5431, 0.3861
Android (android.graphics.Color)	4294931754 (0xFFFF752A)
YUV	149.7120, -53.1020, 92.3376
Hunter-Lab	58.4269, 44.4422, 34.5459

Details

The YIQ color **149.7120, 106.3230, 5.9310** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **147.2880, -106.3230, -5.9310**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **188.0390, 74.1850, -6.3510**, and **94.6770, 96.2360, 7.0200** is the 20% darker color. If you saturate the color by 10%, you get **136.8830, 119.0230, 7.0470**, and if you desaturate by 10%, it is **162.0680, 93.5770, 5.6490**.

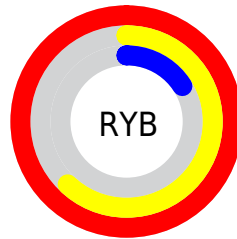
Distribution



Red (100%)

Green (46%)

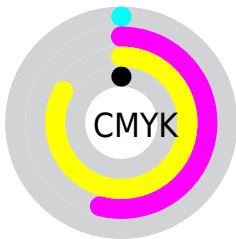
Blue (16%)



Red (100%)

Yellow (62%)

Blue (16%)

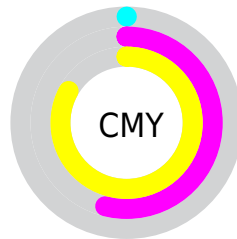


Cyan (0%)

Magenta (54%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (83%)


Brightness & Saturation

Gradients

These gradients show how the YIQ color 149.7120, 106.3230, 5.9310 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 149.7120, 106.3230, 5.9310 by changing the saturation by 10% instead.


 149.7120,
106.3230, 5.9310


 149.7120,
106.3230, 5.9310


255.0000, -0.0000,
-0.0000


 120.6470,
104.9480, 3.3160


 188.0390, 74.1850,
-6.3510


 94.0900, 96.5110,
7.5430


 207.4390, 58.1390,
-12.9090


 68.0860, 85.1390,
15.4030


 227.5400, 41.4970,
-19.6790

 38.2720, 76.2880,
27.1360

 245.8800, 25.6800,
-24.8800

 29.0030, 57.8120,
20.5640

 249.1860, 16.3710,
-15.8610


 20.3320, 40.5280,
14.4160


 252.3780, 7.3830,


 12.3730, 24.1150,

-7.1530


9.0030

 0.0000, 0.0000,
0.0000

 149.7120,
106.3230, 5.9310

 149.7120,
106.3230, 5.9310


 136.8830,
119.0230, 7.0470


 162.0680, 93.5770,
5.6490

 129.0750,
127.2300, 6.9900

 174.8970, 80.8770,
4.5330

 187.8400, 67.8560,
3.7280

 200.0820, 55.4310,
3.1350

 213.0250, 42.4100,
2.3300

225.2670, 29.9850,
1.7370

238.2100, 16.9640,
0.9320

250.4520, 4.5390,
0.3390

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



138.5660, 93.6160, 43.5040



149.7120, 106.3230, 5.9310



148.1710, 81.4800, -33.9440

Triad

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



149.7120, 106.3230, 5.9310



126.4470, -95.6310, -56.5510



148.8470, -55.5280, 26.1680

Complementary

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



149.7120, 106.3230, 5.9310



147.2880, -106.3230, -5.9310

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



149.7120, 106.3230, 5.9310



135.3560, -119.3390, -34.3710

Square

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



149.7120, 106.3230, 5.9310



119.5720, -60.0950, -72.8230



137.6650, -132.7300, -17.4500



160.7640, 23.7380, 65.4180

Rectangle

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



149.7120, 106.3230, 5.9310



145.0050, 52.0480, -51.2160



137.6650, -132.7300, -17.4500



121.2290, -125.0300, -2.8060

Sweetspot

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



149.7120, 106.3230, 5.9310



223.6370, 31.8190, 1.5390



121.4190, 82.6500, 88.0740



108.8790, 19.3940, 0.9460



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.



149.7120, 106.3230, 5.9310



129.0750, 127.2300, 6.9900



211.9340, 77.1730, -49.5070



121.2350, 6.6480, 0.6640



96.4380, 95.4110, 5.4510



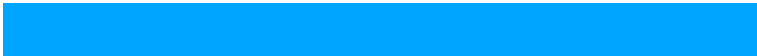
32.0500, 32.0940, 2.0620

Inverse Universe

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



147.2880, -106.3230, -5.9310



125.9250, -127.2300, -6.9900



85.0660, -77.1730, 49.5070



121.1780, -6.3730, -0.1410



94.5620, -95.4110, -5.4510



31.3630, -31.8190, -1.5390

Previews

White Background



This preview shows how the YIQ color 149.7120, 106.3230, 5.9310 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 149.7120, 106.3230, 5.9310 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 149.7120, 106.3230, 5.9310

Background



This preview shows how black text looks on a background with the YIQ color 149.7120, 106.3230, 5.9310.



This preview shows how white text looks on a background with the YIQ color 149.7120, 106.3230,

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

149.7120, 106.3230, 5.9310

Protanopia

152.2980, 44.7540, -29.1500

Deuteranopia

150.9280, 69.2830, -27.6530





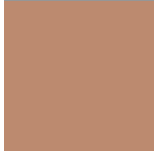
Tritanopia

155.5550, 82.9810, 32.4930

Trichromacy

	Original Color 149.7120, 106.3230, 5.9310
	Protanomaly 151.4090, 66.8510, -16.6130
	Deuteranomaly 150.4340, 82.8980, -15.5820
	Tritanomaly 153.5370, 91.4190, 22.7390

Monochromacy

	Original Color 149.7120, 106.3230, 5.9310
	Achromatopsia 150.0000, -0.0000, -0.0000
	Achromatomaly 149.8720, 38.4670, 2.2030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 149.7120, 106.3230, 5.9310 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, 117, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 42)  
}
```

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, 117, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 42) }
```

Border

The CSS property to change the border of an element to YIQ 149.7120, 106.3230, 5.9310 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, 117, 42) }
```


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

```
.border{ border-color:rgb(255, 117, 42) }
```

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

Here you see how a box with a 4 pixel rgb(255, 117, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
42) }
```

Background

The CSS property to change the background color of an element to YIQ 149.7120, 106.3230, 5.9310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 42) }
```

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

```
.background{ background-color: rgb(255,  
117, 42) }
```

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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