

Converting Colors

$Y_{xy}(37.6861, 0.5504, 0.3837)$

Have a look what the booklet for
Yxy(37.6861, 0.5504, 0.3837)
contains.

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Color

Yxy(34.6069, 0.5420, 0.3890)

Conversions

Conversions Part 1

Format	Color
Hex	FF7728
RGB	255, 119, 40
RGB Percent	100%, 47%, 16%
CMY	0.0000, 0.5333, 0.8435
CMYK	0.00, 0.53, 0.84, 0.00
HSL	22°, 100%, 58%
HSV	22°, 84%, 100%
XYZ	48.2184, 34.6069, 6.1385
YIQ	150.6580, 106.4150, 4.2630

Conversions

Conversions Part 2

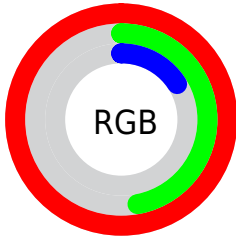
Format	Color
R _Y B	255, 165, 40
Decimal	16742184
CIE Lab	65.44, 47.73, 63.73
CIE LCh	65, 79.623, 53.166
Yxy	34.6069, 0.5420, 0.3890
Android (android.graphics.Color)	4294932264 (0xFFFF7728)
YUV	150.6580, -54.5544, 91.5079
Hunter-Lab	58.8276, 43.3600, 34.9926

Details

The Yxy color **34.6069, 0.5420, 0.3890** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **38.6829, 0.1986, 0.2231**, and the grayscale version is **30.9954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3224, 0.4557, 0.4086**, and **14.9728, 0.5849, 0.3737** is the 20% darker color. If you saturate the color by 10%, you get **30.9710, 0.5691, 0.3819**, and if you desaturate by 10%, it is **39.0117, 0.5098, 0.3908**.

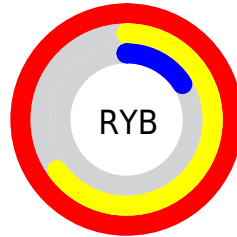
Distribution



Red (100%)

Green (47%)

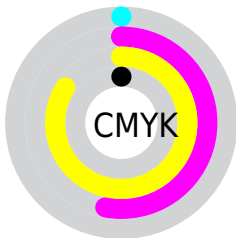
Blue (16%)



Red (100%)

Yellow (65%)

Blue (16%)

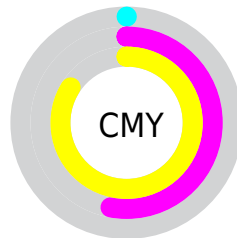


Cyan (0%)

Magenta (53%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6069, 0.5420, 0.3890 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 Yxy color 34.6069, 0.5420, 0.3890 by changing the saturation by 10% instead.

 34.6069, 0.5420,
0.3890


 34.6069, 0.5420,
0.3890


322.8298, 0.4291,
0.3742

 23.3602, 0.5661,
0.3866


 66.8763, 0.5034,
0.3881

 14.8597, 0.5938,
0.3800


 88.6679, 0.4880,
0.3864

 8.7210, 0.6304,
0.3696


 114.7432, 0.4747,
0.3844

 4.5596, 0.6592,
0.3408

 145.4867, 0.4631,
0.3823

 1.9913, 0.7015,
0.2985

 181.2826, 0.4530,
0.3802

 0.6024, 0.7765,
0.2235

 222.5156, 0.4441,

 0.0000, 1.0000,

0.3781

0.0000

269.5698, 0.4362,
0.3761

■ 0.0000, 0.0000,
0.0000

■ 34.6069, 0.5420,
0.3890

■ 34.6069, 0.5420,
0.3890

■ 30.9710, 0.5691,
0.3819

■ 39.0117, 0.5098,
0.3908

■ 29.2246, 0.5820,
0.3761

■ 44.2297, 0.4756,
0.3879


■ 50.3071, 0.4420,
0.3814

■ 57.2847, 0.4108,
0.3726

■ 65.2001, 0.3829,
0.3627

 74.0886, 0.3585,
0.3525

 83.9835, 0.3375,
0.3425

 94.9164, 0.3196,
0.3329

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



34.6069, 0.5262, 0.3136



34.6069, 0.5420, 0.3890



34.6069, 0.4855, 0.4716

Triad

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



34.6069, 0.5420, 0.3890



34.6069, 0.1901, 0.4301



34.6069, 0.2026, 0.1650

Complementary

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



34.6069, 0.5420, 0.3890



38.6829, 0.1986, 0.2231

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.



34.6069, 0.1451, 0.1657



34.6069, 0.5420, 0.3890



34.6069, 0.1361, 0.2887

Square

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



34.6069, 0.5420, 0.3890



34.6069, 0.2841, 0.5452



34.6069, 0.1236, 0.2017



34.6069, 0.3022, 0.1928

Rectangle

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



34.6069, 0.5420, 0.3890



34.6069, 0.4248, 0.5240



34.6069, 0.1236, 0.2017



34.6069, 0.1790, 0.1619

Sweetspot

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



34.6088, 0.5420, 0.3890



73.4775, 0.3600, 0.3532



25.9117, 0.4179, 0.2172



15.0395, 0.3682, 0.3568



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.6088, 0.5420, 0.3890



29.2252, 0.5820, 0.3761



75.9795, 0.4363, 0.4811



19.0809, 0.3285, 0.3378



15.5305, 0.5790, 0.3785



1.7122, 0.5575, 0.3955

Inverse Universe

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



38.6829, 0.1986, 0.2231



32.7890, 0.1892, 0.2012



11.8762, 0.1634, 0.0923



19.2924, 0.2979, 0.3200



17.4279, 0.1899, 0.2035



1.9057, 0.1943, 0.2194

Previews

White Background



This preview shows how the Yxy color 34.6069, 0.5420, 0.3890 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 Yxy color 34.6069, 0.5420, 0.3890 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](#).

Yxy 34.6069, 0.5420, 0.3890

Background



This preview shows how black text looks on a background with the Yxy color 34.6069, 0.5420, 0.3890.



This preview shows how white text looks on a background with the Yxy color 34.6069, 0.5420, 0.3890.

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

34.6069, 0.5420, 0.3890

Protanopia

34.8369, 0.4233, 0.4681

Deuteranopia

34.6167, 0.4671, 0.4578



Tritanopia

34.6751, 0.4717, 0.3226

Trichromacy



Original Color

34.6069, 0.5420, 0.3890

Protanomaly

33.5699, 0.4697, 0.4371

Deuteranomaly

33.9311, 0.4978, 0.4299

Tritanomaly

34.5235, 0.5036, 0.3518

Monochromacy



Original Color

34.6069, 0.5420, 0.3890

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.4318, 0.4002, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6069, 0.5420, 0.3890 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, 119, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 40)  
}
```

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, 119, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 40) }
```

Border

The CSS property to change the border of an element to Yxy 34.6069, 0.5420, 0.3890 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, 119, 40) }
```

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

```
.border{ border-color:rgb(255, 119, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6069, 0.5420, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 40) }
```

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

```
.background{ background-color: rgb(255,  
119, 40) }
```

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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