

Converting Colors

$Y_{xy}(33.3792, 0.5313, 0.3688)$

Have a look what the booklet for
Yxy(33.3792, 0.5313, 0.3688)
contains.

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Color

Yxy(33.4636, 0.5308, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	FF7142
RGB	255, 113, 66
RGB Percent	100%, 44%, 26%
CMY	0.0001, 0.5568, 0.7412
CMYK	0.00, 0.56, 0.74, 0.00
HSL	15°, 100%, 63%
HSV	15°, 74%, 100%
XYZ	48.1238, 33.4636, 9.0753
YIQ	150.1000, 99.7190, 15.4870

Conversions

Conversions Part 2

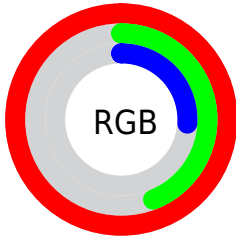
Format	Color
R _Y B	255, 129, 66
Decimal	16740674
CIE Lab	64.53, 51.38, 51.49
CIE LCh	65, 72.741, 45.059
Yxy	33.4636, 0.5308, 0.3691
Android (android.graphics.Color)	4294930754 (0xFFFF7142)
YUV	150.1000, -41.4613, 91.9973
Hunter-Lab	57.8477, 47.2613, 31.1918

Details

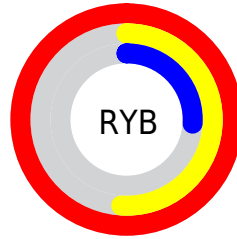
The Yxy color **33.4636, 0.5308, 0.3691** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **53.4643, 0.2153, 0.2687**, and the grayscale version is **30.6944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5262, 0.4420, 0.3824**, and **14.1399, 0.5886, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **29.3957, 0.5678, 0.3659**, and if you desaturate by 10%, it is **38.5709, 0.4909, 0.3683**.

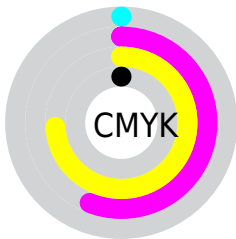
Distribution



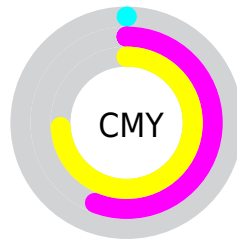
- Red (100%)
- Green (44%)
- Blue (26%)



- Red (100%)
- Yellow (51%)
- Blue (26%)



- Cyan (0%)
- Magenta (56%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4636, 0.5308, 0.3691 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 33.4636, 0.5308, 0.3691 by changing the saturation by 10% instead.


 33.4636, 0.5308,
0.3691


 33.4636, 0.5308,
0.3691

317.7336, 0.4194,
0.3603


 22.4818, 0.5568,
0.3667


 65.0987, 0.4911,
0.3692


 14.2114, 0.5881,
0.3608


 86.5207, 0.4759,
0.3682

 8.2678, 0.6268,
0.3494


 112.1917, 0.4629,
0.3670

 4.2668, 0.6732,
0.3268

 142.4959, 0.4517,
0.3657

 1.8239, 0.7187,
0.2813

 177.8178, 0.4420,
0.3643

 0.5020, 0.8057,
0.1943

218.5418, 0.4335,


 0.0000, 1.0000,


0.3629

0.0000


265.0523, 0.4261,
0.3616

 0.0000, 0.0000,
0.0000


 33.4636, 0.5308,
0.3691


 33.4636, 0.5308,
0.3691


 29.3957, 0.5678,
0.3659


 38.5709, 0.4909,
0.3683


 26.2852, 0.5976,
0.3585

 44.7801, 0.4522,
0.3644


 24.8624, 0.6111,
0.3530

 52.1548, 0.4168,
0.3586

 60.7521, 0.3860,
0.3519

 70.6252, 0.3597,
0.3449

 81.8240, 0.3377,
0.3380

 94.3959, 0.3194,
0.3315

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



33.4636, 0.4926, 0.2981



33.4636, 0.5308, 0.3691



33.4636, 0.4960, 0.4456

Triad

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



33.4636, 0.5308, 0.3691



33.4636, 0.2205, 0.4573



33.4636, 0.1911, 0.1715

Complementary

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



33.4636, 0.5308, 0.3691



53.4643, 0.2153, 0.2687

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.



33.4636, 0.1456, 0.1810



33.4636, 0.5308, 0.3691



33.4636, 0.1567, 0.3248

Square

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



33.4636, 0.5308, 0.3691



33.4636, 0.3158, 0.5378



33.4636, 0.1338, 0.2277



33.4636, 0.2747, 0.1909

Rectangle

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



33.4636, 0.5308, 0.3691



33.4636, 0.4454, 0.4956



33.4636, 0.1338, 0.2277



33.4636, 0.1719, 0.1712

Sweetspot

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



33.4655, 0.5308, 0.3691



72.8975, 0.3547, 0.3434



29.8495, 0.3681, 0.2001



14.9860, 0.3612, 0.3453



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.



33.4655, 0.5308, 0.3691



27.7671, 0.5835, 0.3628



65.1143, 0.4459, 0.4540



18.7213, 0.3288, 0.3350



13.1897, 0.6083, 0.3552



1.4482, 0.5866, 0.3724

Inverse Universe

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



53.4643, 0.2153, 0.2687



48.0944, 0.2058, 0.2548



20.9574, 0.1836, 0.1448



19.6707, 0.2980, 0.3229



23.6149, 0.2017, 0.2461



2.4719, 0.2047, 0.2567

Previews

White Background



This preview shows how the Yxy color 33.4636, 0.5308, 0.3691 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 33.4636, 0.5308, 0.3691 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 33.4636, 0.5308, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 33.4636, 0.5308, 0.3691.



This preview shows how white text looks on a background with the Yxy color 33.4636, 0.5308, 0.3691.

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

33.4636, 0.5308, 0.3691

Protanopia

33.5627, 0.4012, 0.4386

Deuteranopia

33.5261, 0.4488, 0.4393



Tritanopia

33.4582, 0.4809, 0.3227

Trichromacy



Original Color

33.4636, 0.5308, 0.3691

Protanomaly

32.2407, 0.4510, 0.4109

Deuteranomaly

32.6863, 0.4810, 0.4112

Tritanomaly

33.2937, 0.5017, 0.3407

Monochromacy



Original Color

33.4636, 0.5308, 0.3691

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.9146, 0.3911, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4636, 0.5308, 0.3691 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, 113, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 66)  
}
```

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, 113, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 66) }
```

Border

The CSS property to change the border of an element to Yxy 33.4636, 0.5308, 0.3691 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, 113, 66) }
```

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

```
.border{ border-color:rgb(255, 113, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 113, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4636, 0.5308, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 66) }
```

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

```
.background{ background-color: rgb(255,  
113, 66) }
```

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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