

Converting Colors

$Y_{xy}(34.1725, 0.5271, 0.3631)$

Have a look what the booklet for
Yxy(34.1725, 0.5271, 0.3631)
contains.

Yxy(33.5513, 0.5248, 0.3642)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.5513, 0.5248, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	FF7149
RGB	255, 113, 73
RGB Percent	100%, 44%, 29%
CMY	0.0000, 0.5568, 0.7138
CMYK	0.00, 0.56, 0.71, 0.00
HSL	13°, 100%, 64%
HSV	13°, 71%, 100%
XYZ	48.3463, 33.5513, 10.2257
YIQ	150.8980, 97.4720, 17.6640

Conversions

Conversions Part 2

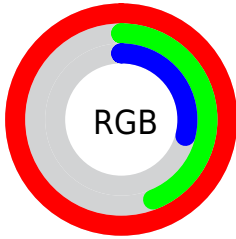
Format	Color
R_{YB}	255, 124, 73
Decimal	16740681
CIE Lab	64.60, 51.69, 48.06
CIE LCh	65, 70.586, 42.917
Yxy	33.5513, 0.5248, 0.3642
Android (android.graphics.Color)	4294930761 (0xFFFF7149)
YUV	150.8980, -38.4037, 91.2975
Hunter-Lab	57.9235, 47.6204, 30.0795

Details

The Yxy color **33.5513, 0.5248, 0.3642** 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 **57.2125, 0.2193, 0.2783**, and the grayscale version is **31.0384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6953, 0.4359, 0.3757**, and **14.1727, 0.5826, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **29.3187, 0.5641, 0.3620**, and if you desaturate by 10%, it is **38.8986, 0.4836, 0.3629**.

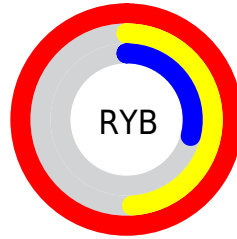
Distribution



Red (100%)

Green (44%)

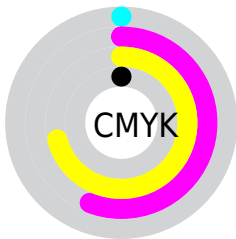
Blue (29%)



Red (100%)

Yellow (49%)

Blue (29%)

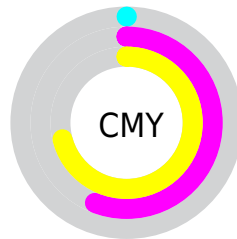


Cyan (0%)

Magenta (56%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5513, 0.5248, 0.3642 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 33.5513, 0.5248, 0.3642 by changing the saturation by 10% instead.


 33.5513, 0.5248,
0.3642


 33.5513, 0.5248,
0.3642


318.1267, 0.4158,
0.3568

 22.5491, 0.5507,
0.3619


 65.2353, 0.4856,
0.3645

 14.2609, 0.5824,
0.3565


 86.6859, 0.4707,
0.3636


 8.3024, 0.6211,
0.3452


 112.3881, 0.4580,
0.3626

 4.2890, 0.6738,
0.3262

 142.7262, 0.4471,
0.3614

 1.8365, 0.7193,
0.2807

 178.0848, 0.4377,
0.3602

 0.5098, 0.8054,
0.1946

218.8481, 0.4294,


 0.0000, 1.0000,


0.3590


0.0000


265.4006, 0.4222,
0.3579


 0.0000, 0.0000,
0.0000


 33.5513, 0.5248,
0.3642


 33.5513, 0.5248,
0.3642


 29.3187, 0.5641,
0.3620


 38.8986, 0.4836,
0.3629

 26.1129, 0.5966,
0.3558

 45.4287, 0.4444,
0.3591


 24.0971, 0.6168,
0.3484

 53.2101, 0.4093,
0.3537

 62.3049, 0.3791,
0.3476

 72.7706, 0.3536,
0.3414

 84.6612, 0.3324,
0.3354

 98.0281, 0.3149,
0.3297

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



33.5513, 0.4817, 0.2947



33.5513, 0.5248, 0.3642



33.5513, 0.4962, 0.4387

Triad

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



33.5513, 0.5248, 0.3642



33.5513, 0.2294, 0.4613



33.5513, 0.1897, 0.1747

Complementary

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



33.5513, 0.5248, 0.3642



57.2125, 0.2193, 0.2783

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.



33.5513, 0.1474, 0.1866



33.5513, 0.5248, 0.3642



33.5513, 0.1638, 0.3340

Square

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



33.5513, 0.5248, 0.3642



33.5513, 0.3238, 0.5325



33.5513, 0.1382, 0.2358



33.5513, 0.2689, 0.1918

Rectangle

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



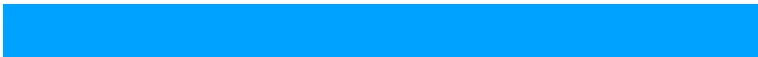
33.5513, 0.5248, 0.3642



33.5513, 0.4491, 0.4874



33.5513, 0.1382, 0.2358



33.5513, 0.1717, 0.1752

Sweetspot

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



33.5532, 0.5248, 0.3642



73.2026, 0.3527, 0.3412



30.9555, 0.3619, 0.2002



15.0166, 0.3593, 0.3429



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.



33.5532, 0.5248, 0.3642



27.7173, 0.5802, 0.3596



64.6518, 0.4439, 0.4491



18.6348, 0.3289, 0.3343



12.7698, 0.6142, 0.3505



1.3963, 0.5932, 0.3672

Inverse Universe

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



57.2125, 0.2193, 0.2783



52.0979, 0.2097, 0.2663



23.1871, 0.1886, 0.1558



19.7635, 0.2980, 0.3236



25.3239, 0.2045, 0.2563



2.6252, 0.2071, 0.2656

Previews

White Background



This preview shows how the Yxy color 33.5513, 0.5248, 0.3642 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 33.5513, 0.5248, 0.3642 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 33.5513, 0.5248, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 33.5513, 0.5248, 0.3642.



This preview shows how white text looks on a background with the Yxy color 33.5513, 0.5248, 0.3642.

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

33.5513, 0.5248, 0.3642

Protanopia

33.6863, 0.3946, 0.4287

Deuteranopia

33.4786, 0.4423, 0.4328



Tritanopia

33.4582, 0.4809, 0.3227

Trichromacy



Original Color

33.5513, 0.5248, 0.3642

Protanomaly

32.3555, 0.4439, 0.4025

Deuteranomaly

32.7774, 0.4748, 0.4046

Tritanomaly

33.3320, 0.4994, 0.3389

Monochromacy



Original Color

33.5513, 0.5248, 0.3642

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.1402, 0.3876, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5513, 0.5248, 0.3642 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 73) }
```

Border

The CSS property to change the border of an element to Yxy 33.5513, 0.5248, 0.3642 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, 73) }
```

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

```
.border{ border-color:rgb(255, 113, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5513, 0.5248, 0.3642 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, 73) }
```

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

```
.background{ background-color: rgb(255,  
113, 73) }
```

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