

Converting Colors

$Y_{xy}(38.4112, 0.5360, 0.3554)$

Have a look what the booklet for
Yxy(38.4112, 0.5360, 0.3554)
contains.

Yxy(33.6348, 0.5192, 0.3596)	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(33.6348, 0.5192, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	FF714F
RGB	255, 113, 79
RGB Percent	100%, 44%, 31%
CMY	0.0000, 0.5569, 0.6901
CMYK	0.00, 0.56, 0.69, 0.00
HSL	12°, 100%, 65%
HSV	12°, 69%, 100%
XYZ	48.5628, 33.6348, 11.3363
YIQ	151.5820, 95.5460, 19.5300

Conversions

Conversions Part 2

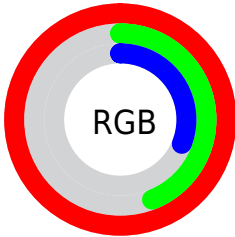
Format	Color
RYB	255, 121, 79
Decimal	16740687
CIELab	64.67, 52.00, 45.00
CIElCh	65, 68.768, 40.873
Yxy	33.6348, 0.5192, 0.3596
Android (android.graphics.Color)	4294930767 (0xFFFF714F)
YUV	151.5820, -35.7829, 90.6976
Hunter-Lab	57.9955, 47.9756, 29.0075

Details

The Yxy color **33.6348, 0.5192, 0.3596** 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 **60.6208, 0.2228, 0.2865**, and the grayscale version is **31.3345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8502, 0.4305, 0.3698**, and **14.3369, 0.5771, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **29.2476, 0.5603, 0.3581**, and if you desaturate by 10%, it is **39.2018, 0.4771, 0.3580**.

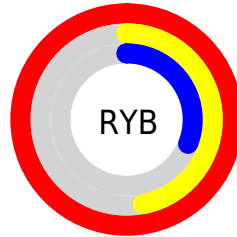
Distribution



Red (100%)

Green (44%)

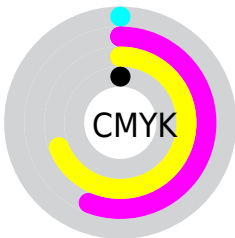
Blue (31%)



Red (100%)

Yellow (47%)

Blue (31%)

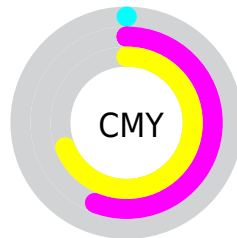


Cyan (0%)

Magenta (56%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6348, 0.5192, 0.3596 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 33.6348, 0.5192, 0.3596 by changing the saturation by 10% instead.


 33.6348, 0.5192,
0.3596


 33.6348, 0.5192,
0.3596


318.5006, 0.4125,
0.3536

 22.6132, 0.5450,
0.3574


 65.3653, 0.4806,
0.3601


 14.3081, 0.5768,
0.3522


 86.8431, 0.4660,
0.3594


 8.3353, 0.6161,
0.3415


 112.5750, 0.4535,
0.3585

 4.3102, 0.6745,
0.3255

 142.9454, 0.4429,
0.3576

 1.8486, 0.7200,
0.2800

 178.3388, 0.4337,
0.3565

 0.5172, 0.8051,
0.1949

219.1395, 0.4257,

 0.0000, 1.0000,

0.3555

0.0000

265.7320, 0.4187,
0.3545

0.0000, 0.0000,
0.0000

33.6348, 0.5192,
0.3596

33.6348, 0.5192,
0.3596

29.2476, 0.5603,
0.3581

39.2018, 0.4771,
0.3580

25.9569, 0.5952,
0.3531

46.0331, 0.4376,
0.3544


23.6553, 0.6196,
0.3453

54.1989, 0.4028,
0.3495

23.4738, 0.6217,
0.3446

63.7660, 0.3732,
0.3441

74.7964, 0.3485,
0.3386

 87.3483, 0.3280,
0.3334

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



33.6348, 0.4719, 0.2915



33.6348, 0.5192, 0.3596



33.6348, 0.4963, 0.4325

Triad

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



33.6348, 0.5192, 0.3596



33.6348, 0.2375, 0.4647



33.6348, 0.1884, 0.1776

Complementary

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



33.6348, 0.5192, 0.3596



60.6208, 0.2228, 0.2865

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.



33.6348, 0.1490, 0.1917



33.6348, 0.5192, 0.3596



33.6348, 0.1703, 0.3425

Square

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



33.6348, 0.5192, 0.3596



33.6348, 0.3310, 0.5279



33.6348, 0.1423, 0.2434



33.6348, 0.2637, 0.1926

Rectangle

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



33.6348, 0.5192, 0.3596



33.6348, 0.4523, 0.4802



33.6348, 0.1423, 0.2434



33.6348, 0.1715, 0.1788

Sweetspot

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



33.6331, 0.5192, 0.3596



72.4769, 0.3530, 0.3397



32.1708, 0.3532, 0.1982



14.8469, 0.3597, 0.3412



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.



33.6331, 0.5192, 0.3596



27.8072, 0.5753, 0.3565



62.7999, 0.4442, 0.4418



18.5542, 0.3290, 0.3337



12.4260, 0.6193, 0.3465



1.3519, 0.5990, 0.3626

Inverse Universe

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



60.6208, 0.2228, 0.2865



55.9152, 0.2134, 0.2765



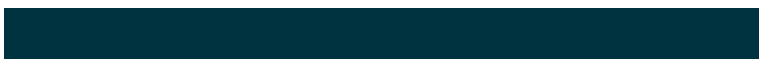
26.1442, 0.1940, 0.1696



19.8506, 0.2980, 0.3243



26.9982, 0.2072, 0.2658



2.7744, 0.2094, 0.2738

Previews

White Background



This preview shows how the Yxy color 33.6348, 0.5192, 0.3596 looks on a white background.

Color Contrast Check

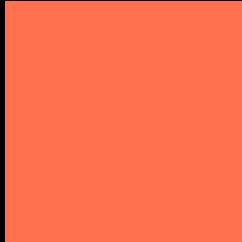
Large Text (above 18pt) WCAG AA × Fail

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 33.6348, 0.5192, 0.3596 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 33.6348, 0.5192, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 33.6348, 0.5192, 0.3596.



This preview shows how white text looks on a background with the Yxy color 33.6348, 0.5192, 0.3596.

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

33.6348, 0.5192, 0.3596

Protanopia

33.6927, 0.3875, 0.4199

Deuteranopia

33.8697, 0.4368, 0.4282



Tritanopia

33.6962, 0.4791, 0.3227

Trichromacy



Original Color

33.6348, 0.5192, 0.3596

Protanomaly

32.3276, 0.4361, 0.3951

Deuteranomaly

33.1374, 0.4688, 0.4004

Tritanomaly

33.6082, 0.4952, 0.3371

Monochromacy



Original Color

33.6348, 0.5192, 0.3596

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.4764, 0.3849, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6348, 0.5192, 0.3596 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 79) }
```

Border

The CSS property to change the border of an element to Yxy 33.6348, 0.5192, 0.3596 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, 79) }
```

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

```
.border{ border-color:rgb(255, 113, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6348, 0.5192, 0.3596 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, 79) }
```

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

```
.background{ background-color: rgb(255,  
113, 79) }
```

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