

Converting Colors

$Y_{xy}(33.4404, 0.5324, 0.3704)$

Have a look what the booklet for
Yxy(33.4404, 0.5324, 0.3704)
contains.

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Color

Yxy(33.4404, 0.5324, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	FF7140
RGB	255, 113, 64
RGB Percent	100%, 44%, 25%
CMY	0.0001, 0.5568, 0.7489
CMYK	0.00, 0.56, 0.75, 0.00
HSL	15°, 100%, 63%
HSV	15°, 75%, 100%
XYZ	48.0661, 33.4404, 8.7754
YIQ	149.8720, 100.3610, 14.8650

Conversions

Conversions Part 2

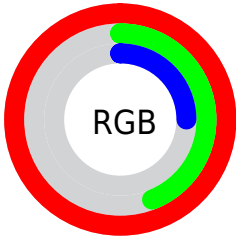
Format	Color
R _Y B	255, 130, 64
Decimal	16740672
CIE Lab	64.52, 51.30, 52.43
CIE LCh	65, 73.355, 45.622
Yxy	33.4404, 0.5324, 0.3704
Android (android.graphics.Color)	4294930752 (0xFFFF7140)
YUV	149.8720, -42.3349, 92.1973
Hunter-Lab	57.8277, 47.1698, 31.4821

Details

The Yxy color **33.4404, 0.5324, 0.3704** 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 **52.4443, 0.2142, 0.2660**, and the grayscale version is **30.5974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4802, 0.4437, 0.3843**, and **14.2334, 0.5889, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **29.4172, 0.5688, 0.3669**, and if you desaturate by 10%, it is **38.4832, 0.4930, 0.3697**.

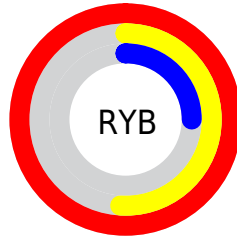
Distribution



Red (100%)

Green (44%)

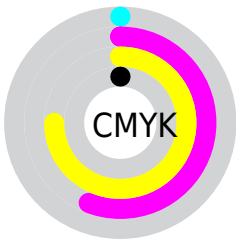
Blue (25%)



Red (100%)

Yellow (51%)

Blue (25%)

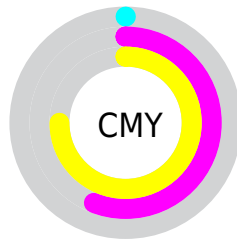


Cyan (0%)

Magenta (56%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4404, 0.5324, 0.3704 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 33.4404, 0.5324, 0.3704 by changing the saturation by 10% instead.


 33.4404, 0.5324,
0.3704


 33.4404, 0.5324,
0.3704

317.6296, 0.4205,
0.3613


 22.4640, 0.5584,
0.3679


 65.0625, 0.4926,
0.3705

 14.1983, 0.5895,
0.3619


 86.4770, 0.4773,
0.3695


 8.2587, 0.6285,
0.3505


 112.1397, 0.4642,
0.3682

 4.2609, 0.6730,
0.3270

 142.4350, 0.4530,
0.3668

 1.8206, 0.7185,
0.2815

 177.7472, 0.4432,
0.3654

 0.4999, 0.8058,
0.1942

218.4608, 0.4347,

 0.0000, 1.0000,

0.3640

0.0000

264.9601, 0.4271,
0.3626

■ 0.0000, 0.0000,
0.0000

■ 33.4404, 0.5324,
0.3704

■ 33.4404, 0.5324,
0.3704

■ 29.4172, 0.5688,
0.3669

■ 38.4832, 0.4930,
0.3697

■ 26.3329, 0.5978,
0.3592

■ 44.6067, 0.4543,
0.3659

■ 25.0860, 0.6094,
0.3543

■ 51.8733, 0.4189,
0.3600

■ 60.3388, 0.3879,
0.3531

■ 70.0554, 0.3615,
0.3459

 81.0718, 0.3392,
0.3388

 93.4343, 0.3206,
0.3321

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



33.4404, 0.4955, 0.2990



33.4404, 0.5324, 0.3704



33.4404, 0.4959, 0.4475

Triad

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



33.4404, 0.5324, 0.3704



33.4404, 0.2181, 0.4562



33.4404, 0.1914, 0.1706

Complementary

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



33.4404, 0.5324, 0.3704



52.4443, 0.2142, 0.2660

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.



33.4404, 0.1451, 0.1795



33.4404, 0.5324, 0.3704



33.4404, 0.1547, 0.3223

Square

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



33.4404, 0.5324, 0.3704



33.4404, 0.3136, 0.5393



33.4404, 0.1326, 0.2255



33.4404, 0.2763, 0.1906

Rectangle

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



33.4404, 0.5324, 0.3704



33.4404, 0.4444, 0.4978



33.4404, 0.1326, 0.2255



33.4404, 0.1719, 0.1701

Sweetspot

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



33.4423, 0.5324, 0.3704



73.1158, 0.3546, 0.3439



29.4429, 0.3728, 0.2019



15.0368, 0.3610, 0.3458



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.



33.4423, 0.5324, 0.3704



27.7334, 0.5848, 0.3635



66.3699, 0.4445, 0.4572



18.7445, 0.3288, 0.3352



13.3116, 0.6066, 0.3565



1.4629, 0.5849, 0.3738

Inverse Universe

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



52.4443, 0.2142, 0.2660



46.9636, 0.2046, 0.2513



19.8461, 0.1815, 0.1389



19.6459, 0.2980, 0.3228



23.1713, 0.2010, 0.2434



2.4319, 0.2040, 0.2543

Previews

White Background



This preview shows how the Yxy color 33.4404, 0.5324, 0.3704 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 33.4404, 0.5324, 0.3704 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 33.4404, 0.5324, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 33.4404, 0.5324, 0.3704.



This preview shows how white text looks on a background with the Yxy color 33.4404, 0.5324, 0.3704.

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

33.4404, 0.5324, 0.3704

Protanopia

33.5340, 0.4028, 0.4410

Deuteranopia

33.5065, 0.4501, 0.4409



Tritanopia

33.4582, 0.4809, 0.3227

Trichromacy



Original Color

33.4404, 0.5324, 0.3704

Protanomaly

32.2141, 0.4527, 0.4129

Deuteranomaly

32.6655, 0.4825, 0.4127

Tritanomaly

33.2749, 0.5028, 0.3416

Monochromacy



Original Color

33.4404, 0.5324, 0.3704

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 33.4404, 0.5324, 0.3704 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 64) }
```

Border

The CSS property to change the border of an element to Yxy 33.4404, 0.5324, 0.3704 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, 64) }
```

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

```
.border{ border-color:rgb(255, 113, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4404, 0.5324, 0.3704 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, 64) }
```

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

```
.background{ background-color: rgb(255,  
113, 64) }
```

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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