

Converting Colors

$Y_{xy}(33.4729, 0.5161, 0.3555)$

Have a look what the booklet for
Yxy(33.4729, 0.5161, 0.3555)
contains.

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Color

Yxy(33.4729, 0.5161, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	FF7053
RGB	255, 112, 83
RGB Percent	100%, 44%, 33%
CMY	0.0000, 0.5607, 0.6744
CMYK	0.00, 0.56, 0.67, 0.00
HSL	10°, 100%, 66%
HSV	10°, 67%, 100%
XYZ	48.5946, 33.4729, 12.0898
YIQ	151.4510, 94.5370, 21.2970

Conversions

Conversions Part 2

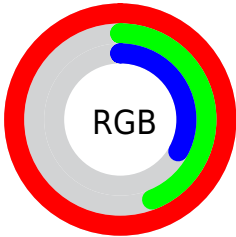
Format	Color
R _Y B	255, 118, 83
Decimal	16740435
CIE Lab	64.54, 52.65, 42.74
CIE LCh	65, 67.809, 39.070
Yxy	33.4729, 0.5161, 0.3555
Android (android.graphics.Color)	4294930515 (0xFFFF7053)
YUV	151.4510, -33.7463, 90.8125
Hunter-Lab	57.8558, 48.6792, 28.1095

Details

The Yxy color **33.4729, 0.5161, 0.3555** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **63.4595, 0.2254, 0.2930**, and the grayscale version is **31.2714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5909, 0.4274, 0.3647**, and **14.2601, 0.5742, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **29.0092, 0.5585, 0.3544**, and if you desaturate by 10%, it is **39.1865, 0.4732, 0.3539**.

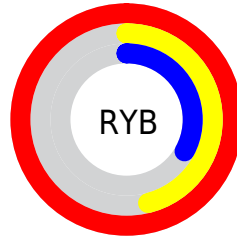
Distribution



Red (100%)

Green (44%)

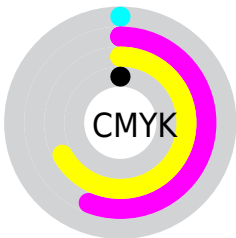
Blue (33%)



Red (100%)

Yellow (46%)

Blue (33%)

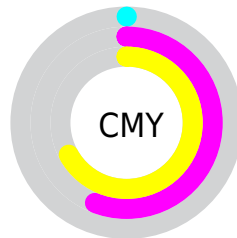


Cyan (0%)

Magenta (56%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4729, 0.5161, 0.3555 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 33.4729, 0.5161, 0.3555 by changing the saturation by 10% instead.


 33.4729, 0.5161,
0.3555


 33.4729, 0.5161,
0.3555


317.7753, 0.4105,
0.3510

 22.4890, 0.5419,
0.3531


 65.1131, 0.4777,
0.3563


 14.2166, 0.5740,
0.3480


 86.5382, 0.4632,
0.3559

 8.2715, 0.6140,
0.3374


 112.2125, 0.4510,
0.3552

 4.2692, 0.6768,
0.3232

 142.5203, 0.4405,
0.3544

 1.8252, 0.7228,
0.2772

 177.8461, 0.4314,
0.3535

 0.5028, 0.8097,
0.1903

218.5743, 0.4235,


 0.0000, 1.0000,


0.3526

0.0000


265.0892, 0.4166,
0.3518


 0.0000, 0.0000,
0.0000

 33.4729, 0.5161,
0.3555


 33.4729, 0.5161,
0.3555


 29.0092, 0.5585,
0.3544


 39.1865, 0.4732,
0.3539


 25.6946, 0.5950,
0.3501


 46.2296, 0.4335,
0.3506


 23.4202, 0.6205,
0.3432

 54.6815, 0.3988,
0.3462

 22.9843, 0.6255,
0.3415

 64.6136, 0.3695,
0.3414

 76.0925, 0.3452,
0.3367

 89.1808, 0.3252,
0.3322

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



33.4729, 0.4650, 0.2882



33.4729, 0.5161, 0.3555



33.4729, 0.4975, 0.4276

Triad

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



33.4729, 0.5161, 0.3555



33.4729, 0.2436, 0.4690



33.4729, 0.1863, 0.1790

Complementary

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



33.4729, 0.5161, 0.3555



63.4595, 0.2254, 0.2930

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.



33.4729, 0.1492, 0.1951



33.4729, 0.5161, 0.3555



33.4729, 0.1747, 0.3497

Square

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



33.4729, 0.5161, 0.3555



33.4729, 0.3370, 0.5259



33.4729, 0.1445, 0.2490



33.4729, 0.2588, 0.1922

Rectangle

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



33.4729, 0.5161, 0.3555



33.4729, 0.4557, 0.4750



33.4729, 0.1445, 0.2490



33.4729, 0.1702, 0.1808

Sweetspot

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



33.4748, 0.5161, 0.3555



73.0046, 0.3510, 0.3379



32.9594, 0.3489, 0.1979



14.9257, 0.3577, 0.3392



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.



33.4748, 0.5161, 0.3555



27.7034, 0.5725, 0.3532



62.1222, 0.4434, 0.4378



18.4816, 0.3290, 0.3331



12.1543, 0.6233, 0.3433



1.3151, 0.6040, 0.3586

Inverse Universe

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



63.4595, 0.2254, 0.2930



59.1460, 0.2163, 0.2847



27.9195, 0.1974, 0.1775



19.9296, 0.2980, 0.3249



28.5755, 0.2095, 0.2742



2.9141, 0.2114, 0.2811

Previews

White Background



This preview shows how the Yxy color 33.4729, 0.5161, 0.3555 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 33.4729, 0.5161, 0.3555 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 33.4729, 0.5161, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 33.4729, 0.5161, 0.3555.



This preview shows how white text looks on a background with the Yxy color 33.4729, 0.5161, 0.3555.

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

33.4729, 0.5161, 0.3555

Protanopia

33.6727, 0.3819, 0.4135

Deuteranopia

33.3403, 0.4324, 0.4239



Tritanopia

33.4582, 0.4809, 0.3227

Trichromacy



Original Color

33.4729, 0.5161, 0.3555

Protanomaly

32.3966, 0.4322, 0.3904

Deuteranomaly

32.7573, 0.4652, 0.3958

Tritanomaly

33.4113, 0.4948, 0.3352

Monochromacy



Original Color

33.4729, 0.5161, 0.3555

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.2165, 0.3842, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4729, 0.5161, 0.3555 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, 112, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 83)  
}
```

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, 112, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 83) }
```

Border

The CSS property to change the border of an element to Yxy 33.4729, 0.5161, 0.3555 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, 112, 83) }
```

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

```
.border{ border-color:rgb(255, 112, 83) }
```

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

Here you see how a box with a 4 pixel rgb(255, 112, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4729, 0.5161, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 83) }
```

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

```
.background{ background-color: rgb(255,  
112, 83) }
```

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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