

Converting Colors

$Y_{xy}(33.0088, 0.4992, 0.3719)$

Have a look what the booklet for
Yxy(33.0088, 0.4992, 0.3719)
contains.

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Color

Yxy(33.0088, 0.4992, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	F07A4F
RGB	240, 122, 79
RGB Percent	94%, 48%, 31%
CMY	0.0588, 0.5216, 0.6900
CMYK	0.00, 0.49, 0.67, 0.06
HSL	16°, 84%, 63%
HSV	16°, 67%, 94%
XYZ	44.3076, 33.0088, 11.4408
YIQ	152.3800, 84.1310, 11.6430

Conversions

Conversions Part 2

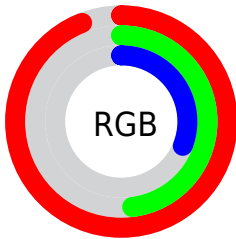
Format	Color
R _Y B	240, 138, 79
Decimal	15759951
CIE Lab	64.17, 42.14, 43.84
CIE LCh	64, 60.810, 46.138
Yxy	33.0088, 0.4992, 0.3719
Android (android.graphics.Color)	4293950031 (0xFFFF07A4F)
YUV	152.3800, -36.1763, 76.8427
Hunter-Lab	57.4533, 37.1148, 28.4107

Details

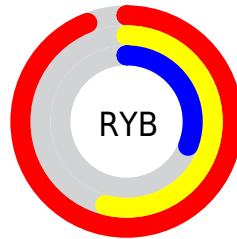
The Yxy color **33.0088, 0.4992, 0.3719** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **47.9054, 0.2206, 0.2715**, and the grayscale version is **31.7071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9224, 0.4250, 0.3770**, and **13.9442, 0.5526, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **28.7850, 0.5378, 0.3720**, and if you desaturate by 10%, it is **38.1444, 0.4607, 0.3684**.

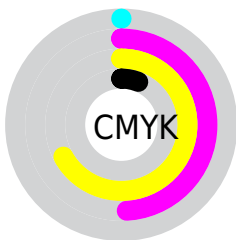
Distribution



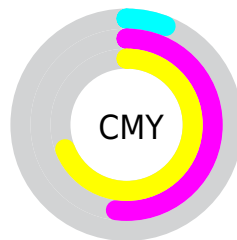
- Red (94%)
- Green (48%)
- Blue (31%)



- Red (94%)
- Yellow (54%)
- Blue (31%)



- Cyan (0%)
- Magenta (49%)
- Yellow (67%)
- Black (6%)





- Cyan (6%)
- Magenta (52%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0088, 0.4992, 0.3719 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 33.0088, 0.4992, 0.3719 by changing the saturation by 10% instead.


 33.0088, 0.4992,
0.3719


 33.0088, 0.4992,
0.3719


315.6894, 0.4023,
0.3579


 22.1332, 0.5230,
0.3720


 64.3893, 0.4639,
0.3691


 13.9548, 0.5525,
0.3700


 85.6629, 0.4506,
0.3674

 8.0892, 0.5892,
0.3634


 111.1714, 0.4394,
0.3656

 4.1521, 0.6463,
0.3537

 141.2990, 0.4298,
0.3639

 1.7590, 0.6881,
0.3119

 176.4302, 0.4215,
0.3622

 0.4614, 0.7799,
0.2201

216.9494, 0.4142,

 0.0000, 1.0000,

0.3607

0.0000

263.2410, 0.4079,
0.3593

■ 0.0000, 0.0000,
0.0000

■ 33.0088, 0.4992,
0.3719

■ 33.0088, 0.4992,
0.3719

■ 28.7850, 0.5378,
0.3720

■ 38.1444, 0.4607,
0.3684

■ 25.4112, 0.5727,
0.3677

■ 44.2378, 0.4251,
0.3626


■ 22.8244, 0.5999,
0.3592


■ 51.3380, 0.3935,
0.3556


■ 22.1990, 0.6066,
0.3565

■ 59.4888, 0.3664,
0.3482

■ 68.7315, 0.3435,
0.3408

 79.1052, 0.3243,
0.3337

 90.6468, 0.3083,
0.3271

 97.2655, 0.3035,
0.3290

Harmonies

Analogous

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



33.0088, 0.4666, 0.3072



33.0088, 0.4992, 0.3719



33.0088, 0.4717, 0.4385

Triad

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



33.0088, 0.4992, 0.3719



33.0088, 0.2334, 0.4308



33.0088, 0.2097, 0.1911

Complementary

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



33.0088, 0.4992, 0.3719



47.9054, 0.2206, 0.2715

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.



33.0088, 0.1670, 0.2000



33.0088, 0.4992, 0.3719



33.0088, 0.1768, 0.3242

Square

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



33.0088, 0.4992, 0.3719



33.0088, 0.3166, 0.5004



33.0088, 0.1557, 0.2420



33.0088, 0.2846, 0.2092

Rectangle

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



33.0088, 0.4992, 0.3719



33.0088, 0.4292, 0.4781



33.0088, 0.1557, 0.2420



33.0088, 0.1919, 0.1909

Sweetspot

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



33.0106, 0.4992, 0.3719



75.5618, 0.3500, 0.3430



28.1582, 0.3679, 0.2122



15.5286, 0.3564, 0.3451



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.



33.0106, 0.4992, 0.3719



31.6942, 0.5496, 0.3711



61.5402, 0.4297, 0.4515



16.4450, 0.3287, 0.3354



12.3381, 0.6039, 0.3587



1.1845, 0.5782, 0.3791

Inverse Universe

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



47.9054, 0.2206, 0.2715



49.4873, 0.2097, 0.2581



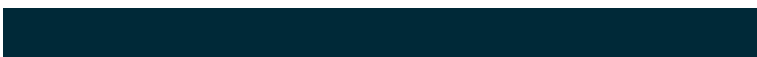
20.5846, 0.1930, 0.1572



17.1735, 0.2981, 0.3225



20.6589, 0.2000, 0.2400



1.8811, 0.2036, 0.2531

Previews

White Background



This preview shows how the Yxy color 33.0088, 0.4992, 0.3719 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 33.0088, 0.4992, 0.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

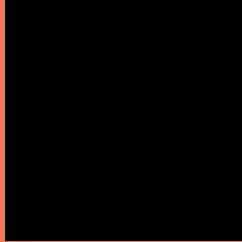
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0088, 0.4992, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 33.0088, 0.4992, 0.3719.



This preview shows how white text looks on a background with the Yxy color 33.0088, 0.4992, 0.3719.

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

33.0088, 0.4992, 0.3719

Protanopia

33.1902, 0.3897, 0.4231

Deuteranopia

32.9983, 0.4350, 0.4248



Tritanopia

33.0007, 0.4556, 0.3210

Trichromacy



Original Color

33.0088, 0.4992, 0.3719

Protanomaly

32.3704, 0.4292, 0.4032

Deuteranomaly

32.6749, 0.4591, 0.4046

Tritanomaly

32.9168, 0.4729, 0.3399

Monochromacy



Original Color

33.0088, 0.4992, 0.3719

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.7208, 0.3779, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0088, 0.4992, 0.3719 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(240, 122, 79)` looks like.

```
.text, #text, p{  
    color:rgb(240, 122, 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(240, 122, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 122, 79) }
```

Border

The CSS property to change the border of an element to Yxy 33.0088, 0.4992, 0.3719 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(240, 122, 79) }
```

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

```
.border{ border-color:rgb(240, 122, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 122, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 122, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 122, 79);  
box-shadow:4px 4px 4px 4px rgb(240, 122,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0088, 0.4992, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 122, 79) }
```

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

```
.background{ background-color: rgb(240,  
122, 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](#).

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