

Converting Colors

$Y_{xy}(33.9539, 0.5181, 0.3885)$

Have a look what the booklet for
Yxy(33.9539, 0.5181, 0.3885)
contains.

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Color

Yxy(33.9539, 0.5181, 0.3885)

Conversions

Conversions Part 1

Format	Color
Hex	F47C3A
RGB	244, 124, 58
RGB Percent	96%, 49%, 23%
CMY	0.0431, 0.5137, 0.7728
CMYK	0.00, 0.49, 0.76, 0.04
HSL	21°, 89%, 59%
HSV	21°, 76%, 96%
XYZ	45.2806, 33.9539, 8.1629
YIQ	152.3560, 92.7060, 4.9140

Conversions

Conversions Part 2

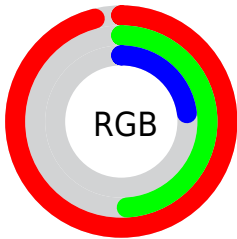
Format	Color
R _Y B	244, 160, 58
Decimal	16022586
CIE Lab	64.93, 41.69, 55.20
CIE LCh	65, 69.169, 52.937
Yxy	33.9539, 0.5181, 0.3885
Android (android.graphics.Color)	4294212666 (0xFFFF47C3A)
YUV	152.3560, -46.5175, 80.3718
Hunter-Lab	58.2700, 36.7369, 32.4832

Details

The Yxy color **33.9539, 0.5181, 0.3885** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **39.2512, 0.2064, 0.2384**, and the grayscale version is **31.7353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2049, 0.4409, 0.3989**, and **14.4607, 0.5696, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **30.1287, 0.5501, 0.3856**, and if you desaturate by 10%, it is **38.5298, 0.4835, 0.3866**.

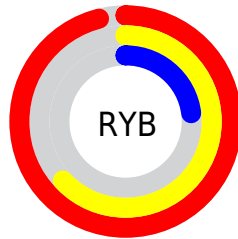
Distribution



Red (96%)

Green (49%)

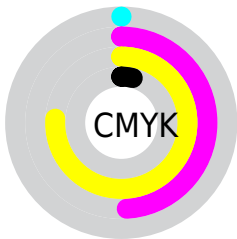
Blue (23%)



Red (96%)

Yellow (63%)

Blue (23%)

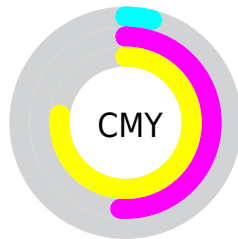


Cyan (0%)

Magenta (49%)

Yellow (76%)

Black (4%)



Cyan (4%)


Magenta (51%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9539, 0.5181, 0.3885 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 33.9539, 0.5181, 0.3885 by changing the saturation by 10% instead.


 33.9539, 0.5181,
0.3885


 33.9539, 0.5181,
0.3885


319.9264, 0.4144,
0.3696


 22.8582, 0.5417,
0.3884


 65.8620, 0.4815,
0.3850


 14.4888, 0.5698,
0.3853


 87.4431, 0.4674,
0.3826


 8.4614, 0.6059,
0.3784


 113.2882, 0.4552,
0.3802


 4.3916, 0.6424,
0.3576

 143.7816, 0.4447,
0.3779

 1.8949, 0.6826,
0.3174

 179.3078, 0.4356,
0.3756

 0.5453, 0.7618,
0.2382

 220.2510, 0.4277,

 0.0000, 1.0000,

0.3735

0.0000

266.9958, 0.4206,
0.3715

■ 0.0000, 0.0000,
0.0000

■ 33.9539, 0.5181,
0.3885

■ 33.9539, 0.5181,
0.3885

■ 30.1287, 0.5501,
0.3856

■ 38.5298, 0.4835,
0.3866

■ 27.0007, 0.5764,
0.3774

■ 43.8934, 0.4491,
0.3809


■ 25.9910, 0.5850,
0.3737


■ 50.0852, 0.4170,
0.3728

■ 57.1412, 0.3882,
0.3634

■ 65.0948, 0.3630,
0.3535

 73.9775, 0.3413,
0.3438

 83.8194, 0.3228,
0.3345

 94.6491, 0.3071,
0.3258

 97.9744, 0.3060,
0.3290

Harmonies

Analogous

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



33.9539, 0.5000, 0.3181



33.9539, 0.5181, 0.3885



33.9539, 0.4720, 0.4620

Triad

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



33.9539, 0.5181, 0.3885



33.9539, 0.2057, 0.4177



33.9539, 0.2140, 0.1801

Complementary

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



33.9539, 0.5181, 0.3885



39.2512, 0.2064, 0.2384

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.



33.9539, 0.1605, 0.1819



33.9539, 0.5181, 0.3885



33.9539, 0.1541, 0.2968

Square

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



33.9539, 0.5181, 0.3885



33.9539, 0.2919, 0.5148



33.9539, 0.1408, 0.2170



33.9539, 0.3037, 0.2057

Rectangle

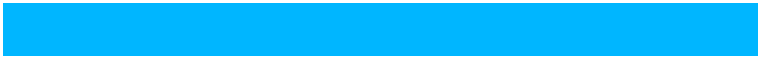
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.9539, 0.5181, 0.3885



33.9539, 0.4190, 0.5051



33.9539, 0.1408, 0.2170



33.9539, 0.1921, 0.1775

Sweetspot

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



33.9557, 0.5181, 0.3885



74.9762, 0.3557, 0.3504



25.5053, 0.3996, 0.2171



15.3162, 0.3640, 0.3540



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.



33.9557, 0.5181, 0.3885



31.1503, 0.5666, 0.3813



68.7016, 0.4312, 0.4728



17.4451, 0.3285, 0.3375



14.3647, 0.5821, 0.3760



1.4490, 0.5582, 0.3950

Inverse Universe

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



39.2512, 0.2064, 0.2384



36.7678, 0.1946, 0.2166



14.0628, 0.1744, 0.1147



17.7100, 0.2980, 0.3204



16.9992, 0.1912, 0.2083



1.6874, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 33.9539, 0.5181, 0.3885 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 33.9539, 0.5181, 0.3885 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 33.9539, 0.5181, 0.3885

Background



This preview shows how black text looks on a background with the Yxy color 33.9539, 0.5181, 0.3885.



This preview shows how white text looks on a background with the Yxy color 33.9539, 0.5181, 0.3885.

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

33.9539, 0.5181, 0.3885

Protanopia

34.1012, 0.4119, 0.4506

Deuteranopia

34.0487, 0.4541, 0.4446



Tritanopia

33.9774, 0.4576, 0.3211

Trichromacy



Original Color

33.9539, 0.5181, 0.3885

Protanomaly

33.3454, 0.4521, 0.4272

Deuteranomaly

33.7539, 0.4785, 0.4229

Tritanomaly

33.9654, 0.4832, 0.3486

Monochromacy



Original Color

33.9539, 0.5181, 0.3885

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.9683, 0.3863, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9539, 0.5181, 0.3885 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(244, 124, 58)` looks like.

```
.text, #text, p{  
    color:rgb(244, 124, 58)  
}
```

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(244, 124, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 124, 58) }
```

Border

The CSS property to change the border of an element to Yxy 33.9539, 0.5181, 0.3885 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(244, 124, 58) }
```

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

```
.border{ border-color:rgb(244, 124, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 124, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 124, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 124, 58);  
box-shadow:4px 4px 4px 4px rgb(244, 124,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9539, 0.5181, 0.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 124, 58) }
```

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

```
.background{ background-color: rgb(244,  
124, 58) }
```

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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