

Converting Colors

$Y_{xy}(34.0472, 0.5354, 0.3873)$

Have a look what the booklet for
Yxy(34.0472, 0.5354, 0.3873)
contains.

Yxy(33.9081, 0.5355, 0.3872)	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(33.9081, 0.5355, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	FB772F
RGB	251, 119, 47
RGB Percent	98%, 47%, 18%
CMY	0.0157, 0.5333, 0.8154
CMYK	0.00, 0.53, 0.81, 0.02
HSL	21°, 96%, 58%
HSV	21°, 81%, 98%
XYZ	46.8951, 33.9081, 6.7694
YIQ	150.2600, 101.7840, 5.5920

Conversions

Conversions Part 2

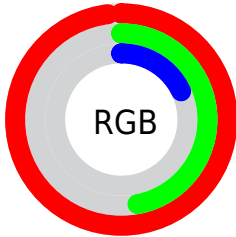
Format	Color
R _Y B	251, 158, 47
Decimal	16480047
CIE Lab	64.89, 46.43, 60.23
CIE LCh	65, 76.053, 52.373
Yxy	33.9081, 0.5355, 0.3872
Android (android.graphics.Color)	4294670127 (0xFFFB772F)
YUV	150.2600, -50.9072, 88.3490
Hunter-Lab	58.2307, 41.8484, 33.8690

Details

The Yxy color **33.9081, 0.5355, 0.3872** 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 **39.8363, 0.2022, 0.2320**, and the grayscale version is **30.8077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4330, 0.4513, 0.4037**, and **14.4612, 0.5827, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **30.2198, 0.5650, 0.3815**, and if you desaturate by 10%, it is **38.3775, 0.5017, 0.3877**.

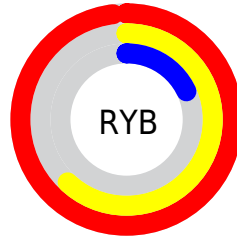
Distribution



Red (98%)

Green (47%)

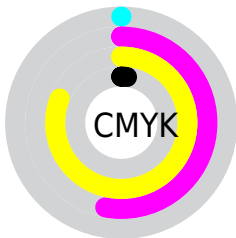
Blue (18%)



Red (98%)

Yellow (62%)

Blue (18%)

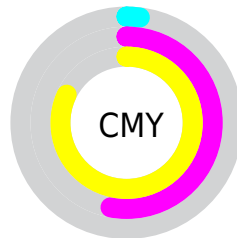


Cyan (0%)

Magenta (53%)

Yellow (81%)

Black (2%)



Cyan (2%)


Magenta (53%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9081, 0.5355, 0.3872 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 33.9081, 0.5355, 0.3872 by changing the saturation by 10% instead.


 33.9081, 0.5355,
0.3872


 33.9081, 0.5355,
0.3872


319.7221, 0.4244,
0.3717


 22.8230, 0.5599,
0.3854


 65.7907, 0.4970,
0.3857

 14.4629, 0.5883,
0.3797


 87.3571, 0.4818,
0.3839


 8.4433, 0.6284,
0.3716

 113.1859, 0.4688,
0.3818

 4.3799, 0.6572,
0.3428

 143.6617, 0.4575,
0.3797

 1.8883, 0.6999,
0.3001

 179.1688, 0.4476,
0.3775

 0.5413, 0.7812,
0.2188

 220.0917, 0.4389,

 0.0000, 1.0000,

0.3755

0.0000

266.8146, 0.4313,
0.3736

■ 0.0000, 0.0000,
0.0000

■ 33.9081, 0.5355,
0.3872

■ 33.9081, 0.5355,
0.3872

■ 30.2198, 0.5650,
0.3815

■ 38.3775, 0.5017,
0.3877

■ 27.5781, 0.5859,
0.3730

■ 43.6709, 0.4667,
0.3838


■ 49.8340, 0.4331,
0.3768

■ 56.9070, 0.4024,
0.3680

■ 64.9272, 0.3753,
0.3583

 73.9297, 0.3518,
0.3485

 83.9478, 0.3317,
0.3390

 95.0129, 0.3147,
0.3301

 99.2494, 0.3102,
0.3290

Harmonies

Analogous

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



33.9081, 0.5169, 0.3134



33.9081, 0.5355, 0.3872



33.9081, 0.4836, 0.4671

Triad

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



33.9081, 0.5355, 0.3872



33.9081, 0.1967, 0.4298



33.9081, 0.2042, 0.1691

Complementary

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



33.9081, 0.5355, 0.3872



39.8363, 0.2022, 0.2320

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.



33.9081, 0.1487, 0.1709



33.9081, 0.5355, 0.3872



33.9081, 0.1422, 0.2940

Square

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



33.9081, 0.5355, 0.3872



33.9081, 0.2891, 0.5373



33.9081, 0.1286, 0.2077



33.9081, 0.2999, 0.1956

Rectangle

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



33.9081, 0.5355, 0.3872



33.9081, 0.4256, 0.5169



33.9081, 0.1286, 0.2077



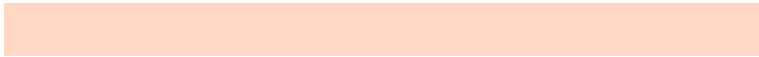
33.9081, 0.1814, 0.1664

Sweetspot

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



33.9100, 0.5355, 0.3872



73.9450, 0.3579, 0.3512



25.8277, 0.4076, 0.2149



15.1116, 0.3663, 0.3547



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.



33.9100, 0.5355, 0.3872



29.4438, 0.5792, 0.3759



72.1175, 0.4363, 0.4768



18.2268, 0.3285, 0.3374



14.7432, 0.5829, 0.3754



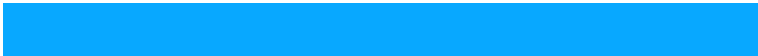
1.5567, 0.5601, 0.3935

Inverse Universe

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



39.8363, 0.2022, 0.2320



35.1812, 0.1922, 0.2107



12.9711, 0.1677, 0.1022



18.5178, 0.2980, 0.3204



17.6135, 0.1914, 0.2090



1.8306, 0.1958, 0.2250

Previews

White Background



This preview shows how the Yxy color 33.9081, 0.5355, 0.3872 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 33.9081, 0.5355, 0.3872 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 33.9081, 0.5355, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 33.9081, 0.5355, 0.3872.



This preview shows how white text looks on a background with the Yxy color 33.9081, 0.5355, 0.3872.

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

33.9081, 0.5355, 0.3872

Protanopia

33.9792, 0.4191, 0.4614

Deuteranopia

34.0762, 0.4624, 0.4533



Tritanopia

33.9911, 0.4745, 0.3226

Trichromacy



Original Color

33.9081, 0.5355, 0.3872

Protanomaly

32.9001, 0.4637, 0.4329

Deuteranomaly

33.5171, 0.4913, 0.4276

Tritanomaly

33.9344, 0.5017, 0.3502

Monochromacy



Original Color

33.9081, 0.5355, 0.3872

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2223, 0.3957, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9081, 0.5355, 0.3872 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(251, 119, 47)` looks like.

```
.text, #text, p{  
    color:rgb(251, 119, 47)  
}
```

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(251, 119, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 119, 47) }
```

Border

The CSS property to change the border of an element to Yxy 33.9081, 0.5355, 0.3872 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(251, 119, 47) }
```

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

```
.border{ border-color:rgb(251, 119, 47) }
```

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

Here you see how a box with a 4 pixel rgb(251, 119, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 119, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 119, 47);  
box-shadow:4px 4px 4px 4px rgb(251, 119,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9081, 0.5355, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 119, 47) }
```

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

```
.background{ background-color: rgb(251,  
119, 47) }
```

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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