

Converting Colors

$Y_{xy}(56.8245, 0.4640, 0.3871)$

Have a look what the booklet for
Yxy(56.8245, 0.4640, 0.3871)
contains.

Yxy(51.8692, 0.4451, 0.3929)	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(51.8692, 0.4451, 0.3929)

Conversions

Conversions Part 1

Format	Color
Hex	FFAC6D
RGB	255, 172, 109
RGB Percent	100%, 67%, 43%
CMY	0.0000, 0.3255, 0.5725
CMYK	0.00, 0.33, 0.57, 0.00
HSL	26°, 100%, 71%
HSV	26°, 57%, 100%
XYZ	58.7605, 51.8692, 21.3866
YIQ	189.6350, 69.6910, -1.9970

Conversions

Conversions Part 2

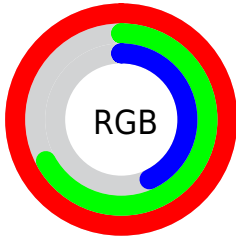
Format	Color
R _Y B	255, 220, 109
Decimal	16755821
CIE Lab	77.20, 24.21, 44.44
CIE LCh	77, 50.602, 61.418
Yxy	51.8692, 0.4451, 0.3929
Android (android.graphics.Color)	4294945901 (0xFFFFAC6D)
YUV	189.6350, -39.7531, 57.3251
Hunter-Lab	72.0203, 19.6005, 32.8078

Details

The Yxy color **51.8692, 0.4451, 0.3929** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.1813, 0.2239, 0.2496**, and the grayscale version is **51.4723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3554, 0.3768, 0.3960**, and **25.1115, 0.4789, 0.4023** is the 20% darker color. If you saturate the color by 10%, you get **46.1740, 0.4761, 0.4000**, and if you desaturate by 10%, it is **58.3215, 0.4154, 0.3831**.

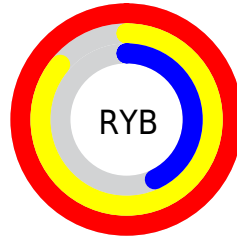
Distribution



Red (100%)

Green (67%)

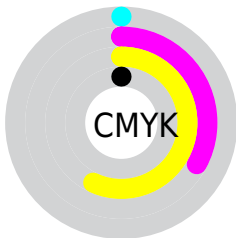
Blue (43%)



Red (100%)

Yellow (86%)

Blue (43%)

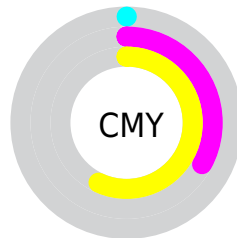


Cyan (0%)

Magenta (33%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8692, 0.4451, 0.3929 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 51.8692, 0.4451, 0.3929 by changing the saturation by 10% instead.


 51.8692, 0.4451,
0.3929


 51.8692, 0.4451,
0.3929


393.9314, 0.3810,
0.3661

 36.9008, 0.4599,
0.3977

 92.9383, 0.4226,
0.3845


 25.1307, 0.4779,
0.4028


 119.8078, 0.4139,
0.3810

 16.1745, 0.5002,
0.4076


 151.4132, 0.4064,
0.3778

 9.6477, 0.5278,
0.4109

 188.1388, 0.4000,
0.3749

 5.1660, 0.5703,
0.4158

230.3690, 0.3943,
0.3724

 2.3450, 0.6030,
0.3970

278.4883, 0.3893,

 0.7974, 0.6464,

0.3701

332.8810, 0.3849,
0.3680

0.3536

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.8692, 0.4451,
0.3929

51.8692, 0.4451,
0.3929

46.1740, 0.4761,
0.4000

58.3215, 0.4154,
0.3831

41.2090, 0.5068,
0.4030

65.5682, 0.3883,
0.3718

36.9351, 0.5348,
0.4008

73.6361, 0.3640,
0.3599

33.3092, 0.5581,
0.3931

82.5523, 0.3428,
0.3481

■ 32.4134, 0.5639,
0.3904

■ 92.3427, 0.3244,
0.3368

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



51.8692, 0.4411, 0.3417



51.8692, 0.4451, 0.3929



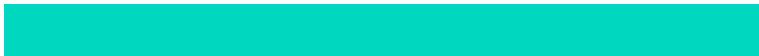
51.8692, 0.4108, 0.4363

Triad

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



51.8692, 0.4451, 0.3929



51.8692, 0.2309, 0.3637



51.8692, 0.2630, 0.2286

Complementary

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



51.8692, 0.4451, 0.3929



48.1813, 0.2239, 0.2496

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.



51.8692, 0.2164, 0.2255



51.8692, 0.4451, 0.3929



51.8692, 0.1991, 0.2947

Square

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



51.8692, 0.4451, 0.3929



51.8692, 0.2863, 0.4281



51.8692, 0.1946, 0.2467



51.8692, 0.3287, 0.2525

Rectangle

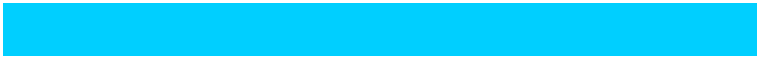
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8692, 0.4451, 0.3929



51.8692, 0.3735, 0.4525



51.8692, 0.1946, 0.2467



51.8692, 0.2449, 0.2251

Sweetspot

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



51.8670, 0.4451, 0.3929



82.7851, 0.3423, 0.3478



36.1035, 0.3823, 0.2444



17.3202, 0.3463, 0.3502



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.



51.8670, 0.4451, 0.3929



45.2529, 0.4816, 0.4008



86.3667, 0.4011, 0.4557



19.2758, 0.3283, 0.3393



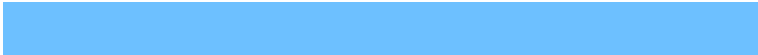
17.2199, 0.5611, 0.3927



1.8887, 0.5411, 0.4085

Inverse Universe

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



48.1813, 0.2239, 0.2496



41.1627, 0.2088, 0.2298



24.1910, 0.2040, 0.1581



19.0923, 0.2979, 0.3185



14.6555, 0.1836, 0.1809



1.6442, 0.1887, 0.1993

Previews

White Background



This preview shows how the Yxy color 51.8692, 0.4451, 0.3929 looks on a white background.

Color Contrast Check

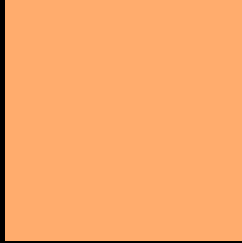
Large Text (above 18pt) WCAG AA × Fail

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 51.8692, 0.4451, 0.3929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

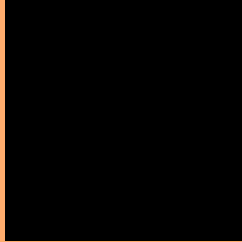
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8692, 0.4451, 0.3929

Background



This preview shows how black text looks on a background with the Yxy color 51.8692, 0.4451, 0.3929.



This preview shows how white text looks on a background with the Yxy color 51.8692, 0.4451, 0.3929.

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

51.8692, 0.4451, 0.3929

Protanopia

52.0779, 0.3871, 0.4193

Deuteranopia

51.8411, 0.4207, 0.4116



Tritanopia

51.7068, 0.3859, 0.3176

Trichromacy



Original Color

51.8692, 0.4451, 0.3929

Protanomaly

51.6420, 0.4086, 0.4098

Deuteranomaly

51.6243, 0.4296, 0.4040

Tritanomaly

51.5323, 0.4091, 0.3461

Monochromacy



Original Color

51.8692, 0.4451, 0.3929

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.7363, 0.3582, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8692, 0.4451, 0.3929 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, 172, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 109)  
}
```

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, 172, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 109) }
```

Border

The CSS property to change the border of an element to Yxy 51.8692, 0.4451, 0.3929 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, 172, 109) }
```

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

```
.border{ border-color:rgb(255, 172, 109) }
```

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

Here you see how a box with a 4 pixel rgb(255, 172, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8692, 0.4451, 0.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 109) }
```

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

```
.background{ background-color: rgb(255,  
172, 109) }
```

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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