

Converting Colors

$Y_{xy}(52.8165, 0.4372, 0.3875)$

Have a look what the booklet for
Yxy(52.8165, 0.4372, 0.3875)
contains.

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Color

Yxy(52.8165, 0.4372, 0.3875)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE75
RGB	255, 174, 117
RGB Percent	100%, 68%, 46%
CMY	0.0000, 0.3176, 0.5410
CMYK	0.00, 0.32, 0.54, 0.00
HSL	25°, 100%, 73%
HSV	25°, 54%, 100%
XYZ	59.5906, 52.8165, 23.8935
YIQ	191.7210, 66.5730, -0.5550

Conversions

Conversions Part 2

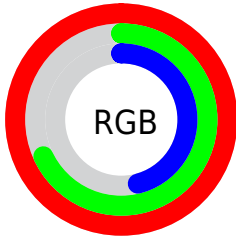
Format	Color
R _Y B	255, 214, 117
Decimal	16756341
CIE Lab	77.77, 23.77, 41.03
CIE LCh	78, 47.422, 59.912
Yxy	52.8165, 0.4372, 0.3875
Android (android.graphics.Color)	4294946421 (0xFFFFAE75)
YUV	191.7210, -36.8375, 55.4957
Hunter-Lab	72.6750, 19.1819, 31.3796

Details

The Yxy color **52.8165, 0.4372, 0.3875** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.4077, 0.2290, 0.2582**, and the grayscale version is **52.7327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7559, 0.3708, 0.3899**, and **25.6821, 0.4691, 0.3969** is the 20% darker color. If you saturate the color by 10%, you get **46.8313, 0.4688, 0.3951**, and if you desaturate by 10%, it is **59.6123, 0.4076, 0.3776**.

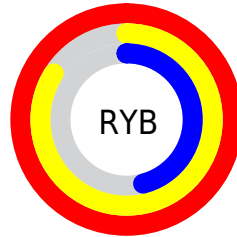
Distribution



Red (100%)

Green (68%)

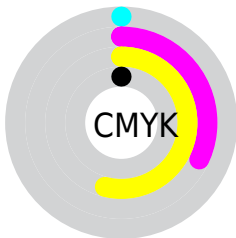
Blue (46%)



Red (100%)

Yellow (84%)

Blue (46%)

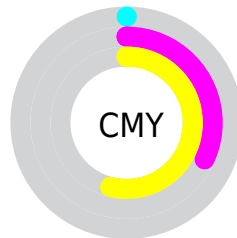


Cyan (0%)

Magenta (32%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8165, 0.4372, 0.3875 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 52.8165, 0.4372, 0.3875 by changing the saturation by 10% instead.


 52.8165, 0.4372,
0.3875

 52.8165, 0.4372,
0.3875


397.5807, 0.3767,
0.3627


 37.6563, 0.4513,
0.3921


 94.3343, 0.4159,
0.3796

 25.7160, 0.4686,
0.3971


 121.4607, 0.4077,
0.3764

 16.6113, 0.4901,
0.4021


 153.3446, 0.4007,
0.3734

 9.9578, 0.5174,
0.4061

190.3704, 0.3946,
0.3708

 5.3710, 0.5548,
0.4088

232.9225, 0.3893,
0.3685

 2.4665, 0.5994,
0.4006

281.3854, 0.3846,

 0.8598, 0.6401,

0.3664

336.1433, 0.3804,
0.3645

0.3599

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.8165, 0.4372,
0.3875

52.8165, 0.4372,
0.3875

46.8313, 0.4688,
0.3951

59.6123, 0.4076,
0.3776

41.6183, 0.5007,
0.3992

67.2471, 0.3809,
0.3665

37.1407, 0.5308,
0.3983

75.7523, 0.3573,
0.3551

33.3557, 0.5564,
0.3919

85.1564, 0.3368,
0.3438

31.4225, 0.5693,
0.3862

95.4864, 0.3192,
0.3332

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.



52.8165, 0.4311, 0.3392



52.8165, 0.4372, 0.3875



52.8165, 0.4072, 0.4282

Triad

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



52.8165, 0.4372, 0.3875



52.8165, 0.2385, 0.3648



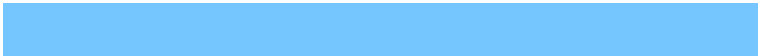
52.8165, 0.2636, 0.2339

Complementary

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



52.8165, 0.4372, 0.3875



51.4077, 0.2290, 0.2582

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.



52.8165, 0.2206, 0.2323



52.8165, 0.4372, 0.3875



52.8165, 0.2070, 0.3004

Square

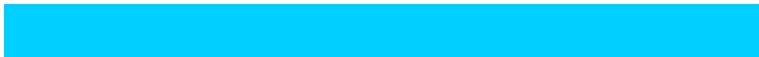
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.8165, 0.4372, 0.3875



52.8165, 0.2915, 0.4228



52.8165, 0.2012, 0.2539



52.8165, 0.3246, 0.2555

Rectangle

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



52.8165, 0.4372, 0.3875



52.8165, 0.3730, 0.4435



52.8165, 0.2012, 0.2539



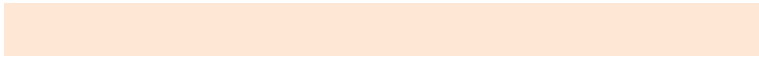
52.8165, 0.2469, 0.2309

Sweetspot

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



52.8177, 0.4372, 0.3875



83.3032, 0.3405, 0.3459



38.1520, 0.3743, 0.2461



17.4076, 0.3446, 0.3482



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.



52.8177, 0.4372, 0.3875



46.3333, 0.4716, 0.3957



85.5763, 0.3980, 0.4483



19.2190, 0.3284, 0.3389



16.6962, 0.5664, 0.3885



1.8348, 0.5459, 0.4047

Inverse Universe

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



51.4077, 0.2290, 0.2582



44.7109, 0.2147, 0.2407



27.1915, 0.2109, 0.1713



19.1503, 0.2979, 0.3189



15.4232, 0.1854, 0.1874



1.7172, 0.1903, 0.2051

Previews

White Background



This preview shows how the Yxy color 52.8165, 0.4372, 0.3875 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 52.8165, 0.4372, 0.3875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

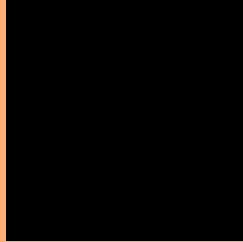
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.8165, 0.4372, 0.3875

Background



This preview shows how black text looks on a background with the Yxy color 52.8165, 0.4372, 0.3875.



This preview shows how white text looks on a background with the Yxy color 52.8165, 0.4372, 0.3875.

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

52.8165, 0.4372, 0.3875

Protanopia

53.1505, 0.3802, 0.4123

Deuteranopia

53.0112, 0.4142, 0.4054



Tritanopia

52.9312, 0.3821, 0.3176

Trichromacy



Original Color

52.8165, 0.4372, 0.3875

Protanomaly

52.6670, 0.4012, 0.4035

Deuteranomaly

52.7807, 0.4229, 0.3980

Tritanomaly

52.8201, 0.4031, 0.3440

Monochromacy



Original Color

52.8165, 0.4372, 0.3875

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.8616, 0.3551, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8165, 0.4372, 0.3875 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, 174, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 117)  
}
```

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, 174, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 117) }
```

Border

The CSS property to change the border of an element to Yxy 52.8165, 0.4372, 0.3875 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, 174, 117) }
```

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

```
.border{ border-color:rgb(255, 174, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8165, 0.4372, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 117) }
```

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

```
.background{ background-color: rgb(255,  
174, 117) }
```

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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