

Converting Colors

$Y_{xy}(55.6009, 0.4583, 0.3548)$

Have a look what the booklet for
Yxy(55.6009, 0.4583, 0.3548)
contains.

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Color

Yxy(48.7941, 0.4303, 0.3595)

Conversions

Conversions Part 1

Format	Color
Hex	FFA285
RGB	255, 162, 133
RGB Percent	100%, 64%, 52%
CMY	0.0000, 0.3648, 0.4784
CMYK	0.00, 0.36, 0.48, 0.00
HSL	14°, 100%, 76%
HSV	14°, 48%, 100%
XYZ	58.4036, 48.7941, 28.5300
YIQ	186.5010, 64.7370, 10.6970

Conversions

Conversions Part 2

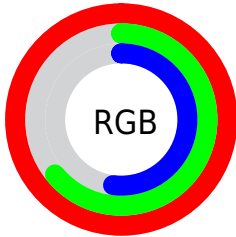
Format	Color
RYB	255, 171, 133
Decimal	16753285
CIELab	75.32, 31.45, 29.47
CIELCh	75, 43.099, 43.145
Yxy	48.7941, 0.4303, 0.3595
Android (android.graphics.Color)	4294943365 (0xFFFFA285)
YUV	186.5010, -26.3760, 60.0736
Hunter-Lab	69.8528, 27.0008, 24.6811

Details

The Yxy color **48.7941, 0.4303, 0.3595** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **66.6062, 0.2429, 0.2946**, and the grayscale version is **49.5172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9480, 0.3630, 0.3619**, and **23.1639, 0.4630, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **41.8412, 0.4675, 0.3644**, and if you desaturate by 10%, it is **56.9684, 0.3974, 0.3533**.

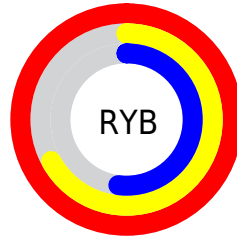
Distribution



Red (100%)

Green (64%)

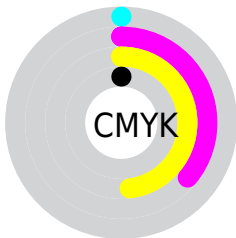
Blue (52%)



Red (100%)

Yellow (67%)

Blue (52%)

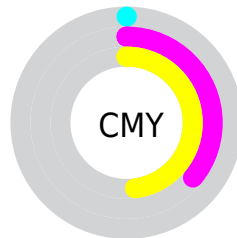


Cyan (0%)

Magenta (36%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7941, 0.4303, 0.3595 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 48.7941, 0.4303, 0.3595 by changing the saturation by 10% instead.


 48.7941, 0.4303,
0.3595

 48.7941, 0.4303,
0.3595

381.9312, 0.3716,
0.3474


 34.4562, 0.4446,
0.3615


 88.3856, 0.4092,
0.3559

 23.2443, 0.4626,
0.3634

 114.4079, 0.4012,
0.3543

 14.7740, 0.4860,
0.3649

 145.0938, 0.3944,
0.3528

 8.6609, 0.5170,
0.3651

180.8277, 0.3885,
0.3515

 4.5207, 0.5594,
0.3613

221.9940, 0.3835,
0.3503

 1.9689, 0.6405,
0.3595

268.9771, 0.3790,

 0.5893, 0.7078,

0.3492

0.2922

322.1614, 0.3751,
0.3483

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7941, 0.4303,
0.3595

48.7941, 0.4303,
0.3595

41.8412, 0.4675,
0.3644

56.9684, 0.3974,
0.3533

36.0613, 0.5075,
0.3671

66.4335, 0.3692,
0.3467

31.3837, 0.5473,
0.3664

77.2382, 0.3455,
0.3400

27.7343, 0.5824,
0.3616

89.4327, 0.3258,
0.3337

■ 25.0277, 0.6087,
0.3530

100.0000, 0.3127,
0.3290

■ 24.5537, 0.6134,
0.3512

Harmonies

Analogous

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



48.7941, 0.4043, 0.3139



48.7941, 0.4303, 0.3595



48.7941, 0.4207, 0.4030

Triad

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



48.7941, 0.4303, 0.3595



48.7941, 0.2694, 0.3950



48.7941, 0.2416, 0.2361

Complementary

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



48.7941, 0.4303, 0.3595



66.6062, 0.2429, 0.2946

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.



48.7941, 0.2130, 0.2468



48.7941, 0.4303, 0.3595



48.7941, 0.2272, 0.3353

Square

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



48.7941, 0.4303, 0.3595



48.7941, 0.3257, 0.4328



48.7941, 0.2078, 0.2807



48.7941, 0.2907, 0.2463

Rectangle

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



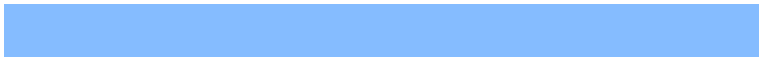
48.7941, 0.4303, 0.3595



48.7941, 0.3970, 0.4253



48.7941, 0.2078, 0.2807



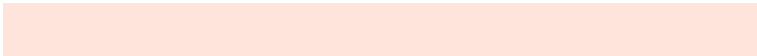
48.7941, 0.2296, 0.2372

Sweetspot

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



48.7899, 0.4303, 0.3595



81.7574, 0.3375, 0.3376



43.5555, 0.3440, 0.2362



16.9509, 0.3420, 0.3389



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.



48.7899, 0.4303, 0.3595



42.3809, 0.4642, 0.3641



75.4443, 0.3981, 0.4188



18.6875, 0.3288, 0.3347



13.0194, 0.6107, 0.3533



1.4274, 0.5892, 0.3704

Inverse Universe

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



66.6062, 0.2429, 0.2946



61.9432, 0.2322, 0.2868



39.3098, 0.2285, 0.2177



19.7068, 0.2980, 0.3232



24.2714, 0.2028, 0.2501



2.5309, 0.2056, 0.2602

Previews

White Background



This preview shows how the Yxy color 48.7941, 0.4303, 0.3595 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 48.7941, 0.4303, 0.3595 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 48.7941, 0.4303, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 48.7941, 0.4303, 0.3595.



This preview shows how white text looks on a background with the Yxy color 48.7941, 0.4303, 0.3595.

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

48.7941, 0.4303, 0.3595

Protanopia

49.1067, 0.3580, 0.3838

Deuteranopia

48.9821, 0.3943, 0.3857



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

48.7941, 0.4303, 0.3595

Protanomaly

48.3684, 0.3841, 0.3746

Deuteranomaly

48.6362, 0.4076, 0.3756

Tritanomaly

48.8359, 0.4077, 0.3324

Monochromacy



Original Color

48.7941, 0.4303, 0.3595

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.0832, 0.3518, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7941, 0.4303, 0.3595 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, 162, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 133)  
}
```

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, 162, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 133) }
```

Border

The CSS property to change the border of an element to Yxy 48.7941, 0.4303, 0.3595 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, 162, 133) }
```

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

```
.border{ border-color:rgb(255, 162, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7941, 0.4303, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 133) }
```

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

```
.background{ background-color: rgb(255,  
162, 133) }
```

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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