

Converting Colors

$Y_{xy}(48.7999, 0.4440, 0.3829)$

Have a look what the booklet for
Yxy(48.7999, 0.4440, 0.3829)
contains.

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Color

Yxy(48.7980, 0.4440, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	FCA571
RGB	252, 165, 113
RGB Percent	99%, 65%, 44%
CMY	0.0117, 0.3529, 0.5568
CMYK	0.00, 0.35, 0.55, 0.01
HSL	22°, 96%, 72%
HSV	22°, 55%, 99%
XYZ	56.5848, 48.7980, 22.0604
YIQ	185.0850, 68.5440, 2.2720

Conversions

Conversions Part 2

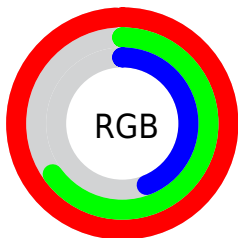
Format	Color
R _Y B	252, 196, 113
Decimal	16557425
CIE Lab	75.33, 26.98, 39.99
CIE LCh	75, 48.239, 55.998
Yxy	48.7980, 0.4440, 0.3829
Android (android.graphics.Color)	4294747505 (0xFFFC A571)
YUV	185.0850, -35.5379, 58.6845
Hunter-Lab	69.8556, 22.3423, 30.1751

Details

The Yxy color **48.7980, 0.4440, 0.3829** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.8582, 0.2291, 0.2637**, and the grayscale version is **48.7402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1996, 0.3768, 0.3844**, and **23.3869, 0.4776, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **42.9653, 0.4774, 0.3893**, and if you desaturate by 10%, it is **55.4952, 0.4128, 0.3741**.

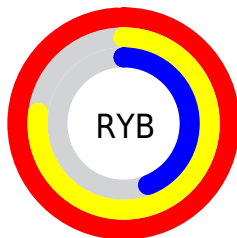
Distribution



Red (99%)

Green (65%)

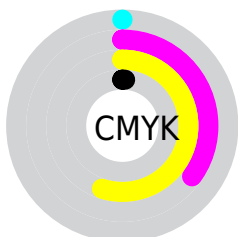
Blue (44%)



Red (99%)

Yellow (77%)

Blue (44%)

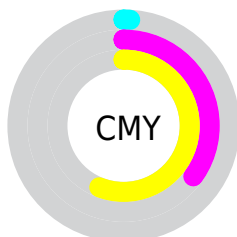


Cyan (0%)

Magenta (35%)

Yellow (55%)

Black (1%)



Cyan (1%)


Magenta (35%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7980, 0.4440, 0.3829 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 48.7980, 0.4440, 0.3829 by changing the saturation by 10% instead.


 48.7980, 0.4440,
0.3829


 48.7980, 0.4440,
0.3829

381.9465, 0.3793,
0.3604


 34.4593, 0.4593,
0.3869


 88.3914, 0.4210,
0.3759

 23.2466, 0.4782,
0.3910


 114.4148, 0.4122,
0.3729

 14.7757, 0.5021,
0.3946

 145.1019, 0.4047,
0.3703

 8.6621, 0.5323,
0.3966

 180.8371, 0.3982,
0.3679

 4.5215, 0.5786,
0.3988

222.0048, 0.3925,
0.3657

 1.9693, 0.6214,
0.3786

268.9893, 0.3876,

 0.5896, 0.6843,

0.3638

0.3157

322.1751, 0.3832,
0.3620

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7980, 0.4440,
0.3829

48.7980, 0.4440,
0.3829

42.9653, 0.4774,
0.3893

55.4952, 0.4128,
0.3741

37.9507, 0.5112,
0.3921

63.0854, 0.3848,
0.3641

33.7143, 0.5428,
0.3899

71.6049, 0.3602,
0.3537

30.2079, 0.5692,
0.3825

81.0854, 0.3391,
0.3435

■ 28.7501, 0.5801,
0.3776

■ 91.5573, 0.3210,
0.3338

■ 99.4381, 0.3109,
0.3290

Harmonies

Analogous

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



48.7980, 0.4325, 0.3326



48.7980, 0.4440, 0.3829



48.7980, 0.4168, 0.4274

Triad

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



48.7980, 0.4440, 0.3829



48.7980, 0.2413, 0.3755



48.7980, 0.2544, 0.2288

Complementary

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



48.7980, 0.4440, 0.3829



51.8582, 0.2291, 0.2637

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.



48.7980, 0.2130, 0.2299



48.7980, 0.4440, 0.3829



48.7980, 0.2055, 0.3069

Square

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



48.7980, 0.4440, 0.3829



48.7980, 0.2985, 0.4331



48.7980, 0.1962, 0.2554



48.7980, 0.3160, 0.2487

Rectangle

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



48.7980, 0.4440, 0.3829



48.7980, 0.3828, 0.4465



48.7980, 0.1962, 0.2554



48.7980, 0.2380, 0.2267

Sweetspot

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



48.8004, 0.4440, 0.3829



81.4080, 0.3427, 0.3454



36.7286, 0.3706, 0.2405



16.9964, 0.3469, 0.3474



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.



48.8004, 0.4440, 0.3829



43.6443, 0.4804, 0.3897



80.4403, 0.4019, 0.4464



18.2888, 0.3285, 0.3379



15.2337, 0.5771, 0.3800



1.6069, 0.5547, 0.3978

Inverse Universe

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



51.8582, 0.2291, 0.2637



46.9532, 0.2156, 0.2481



26.9182, 0.2100, 0.1736



18.4536, 0.2980, 0.3199



16.6462, 0.1893, 0.2014



1.7452, 0.1940, 0.2183

Previews

White Background



This preview shows how the Yxy color 48.7980, 0.4440, 0.3829 looks on a white background.

Color Contrast Check

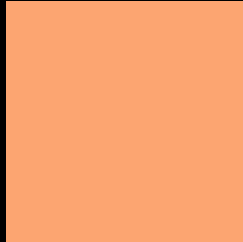
Large Text (above 18pt) WCAG AA × Fail

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 48.7980, 0.4440, 0.3829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

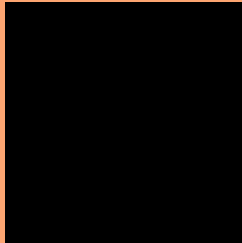
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7980, 0.4440, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 48.7980, 0.4440, 0.3829.



This preview shows how white text looks on a background with the Yxy color 48.7980, 0.4440, 0.3829.

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

48.7980, 0.4440, 0.3829

Protanopia

49.0548, 0.3794, 0.4102

Deuteranopia

48.7388, 0.4153, 0.4056



Tritanopia

48.6160, 0.3955, 0.3166

Trichromacy



Original Color

48.7980, 0.4440, 0.3829

Protanomaly

48.3644, 0.4026, 0.3998

Deuteranomaly

48.6970, 0.4252, 0.3976

Tritanomaly

48.7305, 0.4143, 0.3420

Monochromacy



Original Color

48.7980, 0.4440, 0.3829

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.8993, 0.3568, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7980, 0.4440, 0.3829 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(252, 165, 113)` looks like.

```
.text, #text, p{  
    color:rgb(252, 165, 113)  
}
```

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(252, 165, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 165, 113) }
```

Border

The CSS property to change the border of an element to Yxy 48.7980, 0.4440, 0.3829 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(252, 165, 113) }
```

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

```
.border{ border-color:rgb(252, 165, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 165, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 165, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 165, 113);  
box-shadow:4px 4px 4px 4px rgb(252, 165,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7980, 0.4440, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 165, 113) }
```

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

```
.background{ background-color: rgb(252,  
165, 113) }
```

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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