

Converting Colors

Yxy(66.2352, 0.4837, 0.3594)

Have a look what the booklet for
Yxy(66.2352, 0.4837, 0.3594)
contains.

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Color

Yxy(50.8502, 0.4305, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	FFA881
RGB	255, 168, 129
RGB Percent	100%, 66%, 51%
CMY	0.0001, 0.3411, 0.4942
CMYK	0.00, 0.34, 0.49, 0.00
HSL	19°, 100%, 75%
HSV	19°, 49%, 100%
XYZ	59.1969, 50.8502, 27.4602
YIQ	189.5670, 64.3710, 6.3150

Conversions

Conversions Part 2

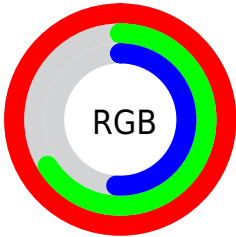
Format	Color
R _Y B	255, 185, 129
Decimal	16754817
CIE Lab	76.59, 27.91, 33.27
CIE LCh	77, 43.429, 50.012
Yxy	50.8502, 0.4305, 0.3698
Android (android.graphics.Color)	4294944897 (0xFFFFA881)
YUV	189.5670, -29.8595, 57.3847
Hunter-Lab	71.3093, 23.3891, 27.0848

Details

The Yxy color **50.8502, 0.4305, 0.3698** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.9660, 0.2388, 0.2819**, and the grayscale version is **51.3788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9487, 0.3643, 0.3720**, and **24.4281, 0.4622, 0.3758** is the 20% darker color. If you saturate the color by 10%, you get **44.1922, 0.4654, 0.3762**, and if you desaturate by 10%, it is **58.5618, 0.3991, 0.3619**.

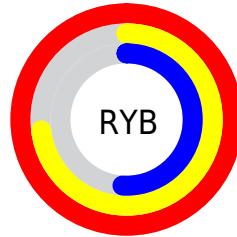
Distribution



Red (100%)

Green (66%)

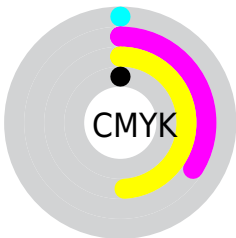
Blue (51%)



Red (100%)

Yellow (73%)

Blue (51%)

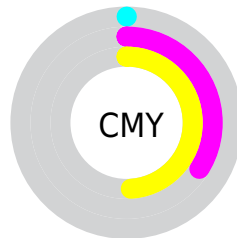


Cyan (0%)

Magenta (34%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8502, 0.4305, 0.3698 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 50.8502, 0.4305, 0.3698 by changing the saturation by 10% instead.


 50.8502, 0.4305,
0.3698


 50.8502, 0.4305,
0.3698


389.9815, 0.3723,
0.3529

 36.0894, 0.4444,
0.3729

 91.4333, 0.4097,
0.3645

 24.5033, 0.4619,
0.3761


 118.0244, 0.4018,
0.3623

 15.7074, 0.4842,
0.3792


 149.3277, 0.3951,
0.3603

 9.3173, 0.5134,
0.3813

185.7277, 0.3892,
0.3585

 4.9487, 0.5524,
0.3801

227.6086, 0.3842,
0.3568

 2.2172, 0.6208,
0.3792

275.3550, 0.3798,

 0.7294, 0.6721,

0.3554

0.3279

329.3511, 0.3758,
0.3541

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.8502, 0.4305,
0.3698

50.8502, 0.4305,
0.3698

44.1922, 0.4654,
0.3762

58.5618, 0.3991,
0.3619

38.5322, 0.5024,
0.3798

67.3639, 0.3717,
0.3533

33.8208, 0.5387,
0.3794

77.3011, 0.3483,
0.3447

30.0003, 0.5707,
0.3742

88.4128, 0.3285,
0.3364

■ 27.0001, 0.5958,
0.3647

99.9947, 0.3127,
0.3290

■ 26.8458, 0.5971,
0.3641

Harmonies

Analogous

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



50.8502, 0.4126, 0.3241



50.8502, 0.4305, 0.3698



50.8502, 0.4133, 0.4111

Triad

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



50.8502, 0.4305, 0.3698



50.8502, 0.2584, 0.3819



50.8502, 0.2516, 0.2372

Complementary

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



50.8502, 0.4305, 0.3698



60.9660, 0.2388, 0.2819

Split Complementary

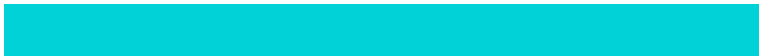
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.8502, 0.2180, 0.2429



50.8502, 0.4305, 0.3698



50.8502, 0.2211, 0.3216

Square

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



50.8502, 0.4305, 0.3698



50.8502, 0.3123, 0.4267



50.8502, 0.2074, 0.2713



50.8502, 0.3041, 0.2516

Rectangle

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



50.8502, 0.4305, 0.3698



50.8502, 0.3861, 0.4302



50.8502, 0.2074, 0.2713



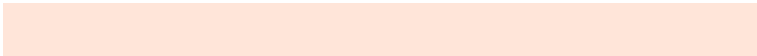
50.8502, 0.2380, 0.2367

Sweetspot

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



50.8527, 0.4305, 0.3698



82.0745, 0.3391, 0.3409



41.9718, 0.3537, 0.2409



17.0747, 0.3434, 0.3427



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.



50.8527, 0.4305, 0.3698



44.4561, 0.4639, 0.3760



79.3082, 0.3970, 0.4288



18.9050, 0.3287, 0.3364



14.2627, 0.5941, 0.3664



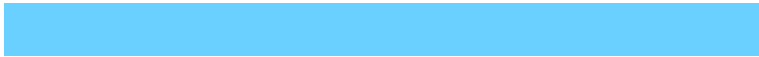
1.5732, 0.5721, 0.3840

Inverse Universe

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



60.9660, 0.2388, 0.2819



55.4973, 0.2269, 0.2709



35.0576, 0.2235, 0.2026



19.4760, 0.2980, 0.3215



20.2745, 0.1957, 0.2243



2.1686, 0.1994, 0.2377

Previews

White Background



This preview shows how the Yxy color 50.8502, 0.4305, 0.3698 looks on a white background.

Color Contrast Check

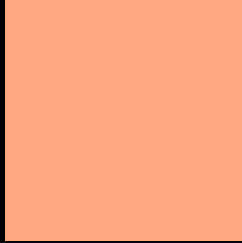
Large Text (above 18pt) WCAG AA × Fail

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 50.8502, 0.4305, 0.3698 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 50.8502, 0.4305, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 50.8502, 0.4305, 0.3698.



This preview shows how white text looks on a background with the Yxy color 50.8502, 0.4305, 0.3698.

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

50.8502, 0.4305, 0.3698

Protanopia

51.0675, 0.3664, 0.3924

Deuteranopia

50.8850, 0.4008, 0.3924



Tritanopia

50.9061, 0.3884, 0.3176

Trichromacy



Original Color

50.8502, 0.4305, 0.3698

Protanomaly

50.4850, 0.3895, 0.3831

Deuteranomaly

50.5875, 0.4117, 0.3837

Tritanomaly

50.6389, 0.4046, 0.3367

Monochromacy



Original Color

50.8502, 0.4305, 0.3698

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.5792, 0.3524, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8502, 0.4305, 0.3698 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, 168, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 129)  
}
```

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, 168, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 129) }
```

Border

The CSS property to change the border of an element to Yxy 50.8502, 0.4305, 0.3698 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, 168, 129) }
```

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

```
.border{ border-color:rgb(255, 168, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 168, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 168, 129); box-shadow:4px 4px 4px 4px rgb(255, 168, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8502, 0.4305, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 129) }
```

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

```
.background{ background-color: rgb(255,  
168, 129) }
```

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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