

Converting Colors

$Y_{xy}(57.7359, 0.4714, 0.3675)$

Have a look what the booklet for
Yxy(57.7359, 0.4714, 0.3675)
contains.

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Color

Yxy(49.5507, 0.4396, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	FFA579
RGB	255, 165, 121
RGB Percent	100%, 65%, 47%
CMY	0.0000, 0.3529, 0.5256
CMYK	0.00, 0.35, 0.53, 0.00
HSL	20°, 100%, 74%
HSV	20°, 53%, 100%
XYZ	58.1487, 49.5507, 24.5769
YIQ	186.8940, 67.7640, 5.3960

Conversions

Conversions Part 2

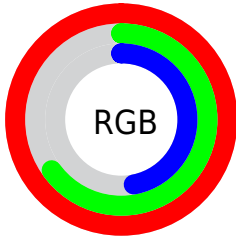
Format	Color
R_{YB}	255, 187, 121
Decimal	16754041
CIE Lab	75.79, 28.80, 36.49
CIE LCh	76, 46.487, 51.715
Yxy	49.5507, 0.4396, 0.3746
Android (android.graphics.Color)	4294944121 (0xFFFFA579)
YUV	186.8940, -32.4857, 59.7290
Hunter-Lab	70.3923, 24.2663, 28.5739

Details

The Yxy color **49.5507, 0.4396, 0.3746** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.8530, 0.2341, 0.2752**, and the grayscale version is **49.7865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0289, 0.3708, 0.3772**, and **23.6454, 0.4744, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **43.2366, 0.4745, 0.3807**, and if you desaturate by 10%, it is **56.8564, 0.4076, 0.3666**.

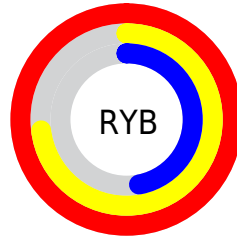
Distribution



Red (100%)

Green (65%)

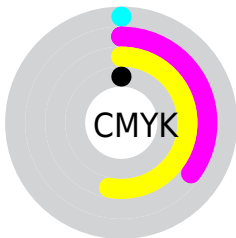
Blue (47%)



Red (100%)

Yellow (73%)

Blue (47%)

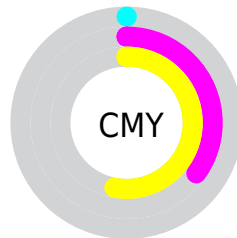


Cyan (0%)

Magenta (35%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5507, 0.4396, 0.3746 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 49.5507, 0.4396, 0.3746 by changing the saturation by 10% instead.

 49.5507, 0.4396,
0.3746


 49.5507, 0.4396,
0.3746


384.9063, 0.3769,
0.3558

 35.0565, 0.4546,
0.3779


 89.5088, 0.4172,
0.3688

 23.7064, 0.4732,
0.3812


 115.7416, 0.4087,
0.3663

 15.1160, 0.4969,
0.3842


 146.6559, 0.4014,
0.3641

 8.9008, 0.5275,
0.3856

182.6363, 0.3951,
0.3621

 4.6766, 0.5699,
0.3843

224.0672, 0.3897,
0.3603

 2.0588, 0.6275,
0.3725

271.3329, 0.3849,

 0.6413, 0.6867,

0.3587

0.3133

324.8178, 0.3807,
0.3572

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.5507, 0.4396,
0.3746

49.5507, 0.4396,
0.3746

43.2366, 0.4745,
0.3807

56.8564, 0.4076,
0.3666

37.8692, 0.5107,
0.3835

65.1972, 0.3794,
0.3576

33.3978, 0.5453,
0.3820

74.6130, 0.3550,
0.3484

29.7665, 0.5748,
0.3753

85.1415, 0.3343,
0.3395

■ 27.5663, 0.5924,
0.3678

■ 96.8185, 0.3168,
0.3311

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.



49.5507, 0.4227, 0.3260



49.5507, 0.4396, 0.3746



49.5507, 0.4185, 0.4187

Triad

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



49.5507, 0.4396, 0.3746



49.5507, 0.2511, 0.3828



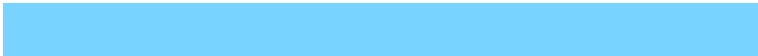
49.5507, 0.2497, 0.2312

Complementary

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



49.5507, 0.4396, 0.3746



57.8530, 0.2341, 0.2752

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.



49.5507, 0.2128, 0.2356



49.5507, 0.4396, 0.3746



49.5507, 0.2129, 0.3169

Square

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



49.5507, 0.4396, 0.3746



49.5507, 0.3082, 0.4335



49.5507, 0.2001, 0.2641



49.5507, 0.3068, 0.2477

Rectangle

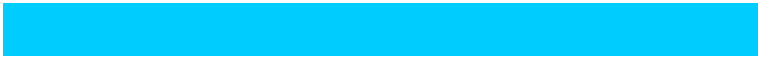
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.5507, 0.4396, 0.3746



49.5507, 0.3881, 0.4390



49.5507, 0.2001, 0.2641



49.5507, 0.2348, 0.2302

Sweetspot

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



49.5504, 0.4396, 0.3746



81.3947, 0.3410, 0.3425



39.7079, 0.3597, 0.2379



16.9553, 0.3453, 0.3444



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.



49.5504, 0.4396, 0.3746



42.9825, 0.4761, 0.3809



79.4712, 0.4014, 0.4363



18.9617, 0.3286, 0.3369



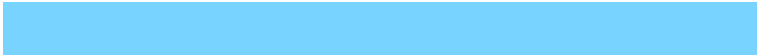
14.6454, 0.5894, 0.3702



1.6159, 0.5674, 0.3877

Inverse Universe

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



57.8530, 0.2341, 0.2752



51.9624, 0.2214, 0.2622



31.6981, 0.2168, 0.1902



19.4165, 0.2980, 0.3210



19.3198, 0.1938, 0.2176



2.0810, 0.1977, 0.2318

Previews

White Background



This preview shows how the Yxy color 49.5507, 0.4396, 0.3746 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 49.5507, 0.4396, 0.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

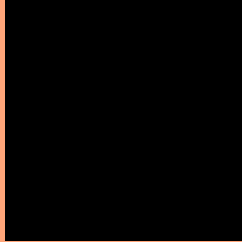
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5507, 0.4396, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 49.5507, 0.4396, 0.3746.



This preview shows how white text looks on a background with the Yxy color 49.5507, 0.4396, 0.3746.

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

49.5507, 0.4396, 0.3746

Protanopia

49.7089, 0.3718, 0.4004

Deuteranopia

49.7170, 0.4076, 0.3992



Tritanopia

49.6900, 0.3934, 0.3187

Trichromacy



Original Color

49.5507, 0.4396, 0.3746

Protanomaly

49.1447, 0.3955, 0.3905

Deuteranomaly

49.6085, 0.4197, 0.3900

Tritanomaly

49.4006, 0.4108, 0.3388

Monochromacy



Original Color

49.5507, 0.4396, 0.3746

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.8816, 0.3557, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5507, 0.4396, 0.3746 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, 165, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 121)  
}
```

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, 165, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 121) }
```

Border

The CSS property to change the border of an element to Yxy 49.5507, 0.4396, 0.3746 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, 165, 121) }
```

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

```
.border{ border-color:rgb(255, 165, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5507, 0.4396, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 121) }
```

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

```
.background{ background-color: rgb(255,  
165, 121) }
```

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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