

Converting Colors

$Y_{xy}(49.4307, 0.4505, 0.3874)$

Have a look what the booklet for
Yxy(49.4307, 0.4505, 0.3874)
contains.

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Color

Yxy(49.6151, 0.4501, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	FFA66C
RGB	255, 166, 108
RGB Percent	100%, 65%, 42%
CMY	0.0000, 0.3490, 0.5763
CMYK	0.00, 0.35, 0.58, 0.00
HSL	24°, 100%, 71%
HSV	24°, 58%, 100%
XYZ	57.5858, 49.6151, 20.7391
YIQ	185.9990, 71.6620, 0.8300

Conversions

Conversions Part 2

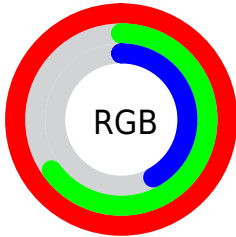
Format	Color
R _Y B	255, 204, 108
Decimal	16754284
CIE Lab	75.83, 27.26, 43.26
CIE LCh	76, 51.130, 57.785
Yxy	49.6151, 0.4501, 0.3878
Android (android.graphics.Color)	4294944364 (0xFFFFA66C)
YUV	185.9990, -38.4535, 60.5139
Hunter-Lab	70.4380, 22.6641, 31.8498

Details

The Yxy color **49.6151, 0.4501, 0.3878** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.3593, 0.2249, 0.2562**, and the grayscale version is **49.2941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5461, 0.3800, 0.3904**, and **23.8094, 0.4846, 0.3974** is the 20% darker color. If you saturate the color by 10%, you get **43.8693, 0.4829, 0.3939**, and if you desaturate by 10%, it is **56.1973, 0.4190, 0.3790**.

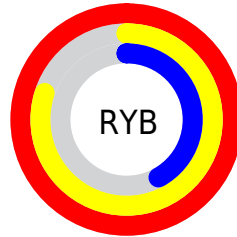
Distribution



Red (100%)

Green (65%)

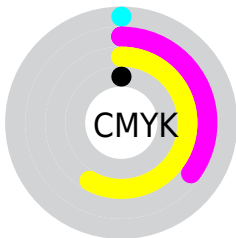
Blue (42%)



Red (100%)

Yellow (80%)

Blue (42%)

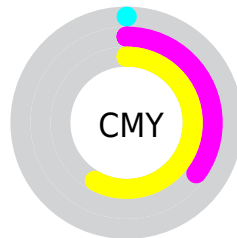


Cyan (0%)

Magenta (35%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6151, 0.4501, 0.3878 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 49.6151, 0.4501, 0.3878 by changing the saturation by 10% instead.


 49.6151, 0.4501,
0.3878

 49.6151, 0.4501,
0.3878


385.1588, 0.3829,
0.3636


 35.1077, 0.4658,
0.3920


 89.6043, 0.4264,
0.3804


 23.7458, 0.4850,
0.3962


 115.8549, 0.4172,
0.3772

 15.1452, 0.5089,
0.3998


 146.7887, 0.4094,
0.3743

 8.9213, 0.5387,
0.4013

 182.7900, 0.4027,
0.3717

 4.6899, 0.5873,
0.4050

224.2433, 0.3968,
0.3693

 2.0665, 0.6208,
0.3792

271.5329, 0.3916,

 0.6457, 0.6779,

0.3672

0.3221

325.0433, 0.3870,
0.3653

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.6151, 0.4501,
0.3878

49.6151, 0.4501,
0.3878

43.8693, 0.4829,
0.3939

56.1973, 0.4190,
0.3790

38.9166, 0.5154,
0.3959

63.6458, 0.3907,
0.3687

34.7168, 0.5450,
0.3928

71.9952, 0.3656,
0.3578

31.2208, 0.5693,
0.3844

81.2764, 0.3439,
0.3469

■ 30.4853, 0.5746,
0.3820

■ 91.5188, 0.3252,
0.3365

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.



49.6151, 0.4409, 0.3353



49.6151, 0.4501, 0.3878



49.6151, 0.4189, 0.4342

Triad

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



49.6151, 0.4501, 0.3878



49.6151, 0.2346, 0.3736



49.6151, 0.2547, 0.2249

Complementary

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



49.6151, 0.4501, 0.3878



50.3593, 0.2249, 0.2562

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.



49.6151, 0.2101, 0.2244



49.6151, 0.4501, 0.3878



49.6151, 0.1990, 0.3013

Square

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



49.6151, 0.4501, 0.3878



49.6151, 0.2934, 0.4368



49.6151, 0.1911, 0.2491



49.6151, 0.3203, 0.2469

Rectangle

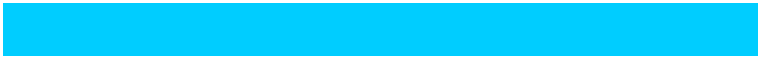
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6151, 0.4501, 0.3878



49.6151, 0.3822, 0.4537



49.6151, 0.1911, 0.2491



49.6151, 0.2372, 0.2222

Sweetspot

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



49.6168, 0.4501, 0.3878



81.8951, 0.3426, 0.3463



36.1011, 0.3772, 0.2394



17.1109, 0.3467, 0.3484



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.



49.6168, 0.4501, 0.3878



43.1458, 0.4874, 0.3944



83.4079, 0.4042, 0.4527



19.1624, 0.3284, 0.3384



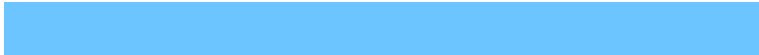
16.1998, 0.5716, 0.3843



1.7831, 0.5507, 0.4010

Inverse Universe

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



50.3593, 0.2249, 0.2562



43.8349, 0.2111, 0.2387



25.1243, 0.2045, 0.1626



19.2084, 0.2979, 0.3194



16.2214, 0.1872, 0.1940



1.7926, 0.1919, 0.2110

Previews

White Background



This preview shows how the Yxy color 49.6151, 0.4501, 0.3878 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 49.6151, 0.4501, 0.3878 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 49.6151, 0.4501, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 49.6151, 0.4501, 0.3878.



This preview shows how white text looks on a background with the Yxy color 49.6151, 0.4501, 0.3878.

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

49.6151, 0.4501, 0.3878

Protanopia

49.6390, 0.3846, 0.4166

Deuteranopia

49.9181, 0.4206, 0.4118



Tritanopia

49.6900, 0.3934, 0.3187

Trichromacy



Original Color

49.6151, 0.4501, 0.3878

Protanomaly

49.1204, 0.4089, 0.4055

Deuteranomaly

49.4899, 0.4313, 0.4027

Tritanomaly

49.5925, 0.4153, 0.3451

Monochromacy



Original Color

49.6151, 0.4501, 0.3878

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.5577, 0.3592, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6151, 0.4501, 0.3878 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, 166, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 108)  
}
```

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, 166, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 108) }
```

Border

The CSS property to change the border of an element to Yxy 49.6151, 0.4501, 0.3878 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, 166, 108) }
```

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

```
.border{ border-color:rgb(255, 166, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6151, 0.4501, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 108) }
```

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

```
.background{ background-color: rgb(255,  
166, 108) }
```

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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