

Converting Colors

$Y_{xy}(49.0711, 0.4582, 0.3948)$

Have a look what the booklet for
Yxy(49.0711, 0.4582, 0.3948)
contains.

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Color

Yxy(49.0711, 0.4582, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	FFA563
RGB	255, 165, 99
RGB Percent	100%, 65%, 39%
CMY	0.0000, 0.3529, 0.6118
CMYK	0.00, 0.35, 0.61, 0.00
HSL	25°, 100%, 69%
HSV	25°, 61%, 100%
XYZ	56.9513, 49.0711, 18.2712
YIQ	184.3860, 74.8260, -1.4460

Conversions

Conversions Part 2

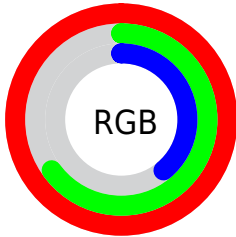
Format	Color
R_{YB}	255, 213, 99
Decimal	16754019
CIE _{Lab}	75.50, 27.15, 47.44
CIE _{LCh}	75, 54.656, 60.216
Yxy	49.0711, 0.4582, 0.3948
Android (android.graphics.Color)	4294944099 (0xFFFFA563)
YUV	184.3860, -42.0953, 61.9285
Hunter-Lab	70.0508, 22.5318, 33.5711

Details

The Yxy color **49.0711, 0.4582, 0.3948** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.2630, 0.2190, 0.2448**, and the grayscale version is **48.3620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6808, 0.3873, 0.3994**, and **23.5013, 0.4938, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **43.6524, 0.4897, 0.4002**, and if you desaturate by 10%, it is **55.2530, 0.4275, 0.3861**.

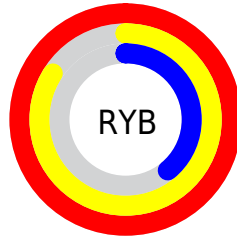
Distribution



Red (100%)

Green (65%)

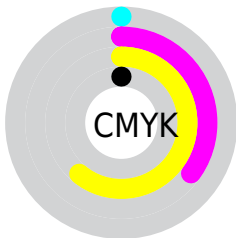
Blue (39%)



Red (100%)

Yellow (84%)

Blue (39%)

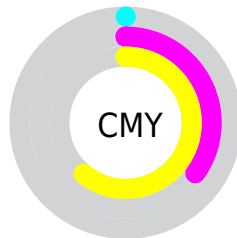


Cyan (0%)

Magenta (35%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0711, 0.4582, 0.3948 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 49.0711, 0.4582, 0.3948 by changing the saturation by 10% instead.


 49.0711, 0.4582,
0.3948


 49.0711, 0.4582,
0.3948


383.0222, 0.3874,
0.3679

 34.6759, 0.4744,
0.3992


 88.7970, 0.4334,
0.3867

 23.4133, 0.4941,
0.4036


 114.8966, 0.4238,
0.3831

 14.8990, 0.5183,
0.4070


 145.6663, 0.4155,
0.3799

 8.7485, 0.5476,
0.4076

 181.4907, 0.4084,
0.3770

 4.5775, 0.5922,
0.4078

222.7540, 0.4021,
0.3744

 2.0016, 0.6215,
0.3785

269.8408, 0.3966,

 0.6084, 0.6824,

0.3720

0.3176

323.1354, 0.3918,
0.3699

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.0711, 0.4582,
0.3948

49.0711, 0.4582,
0.3948

43.6524, 0.4897,
0.4002

55.2530, 0.4275,
0.3861

38.9629, 0.5201,
0.4011

62.2326, 0.3990,
0.3755

34.9623, 0.5468,
0.3966

70.0396, 0.3734,
0.3640

31.9626, 0.5663,
0.3885

78.7028, 0.3509,
0.3523

88.2491, 0.3314,
0.3409

98.7043, 0.3145,
0.3302

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.



49.0711, 0.4528, 0.3393



49.0711, 0.4582, 0.3948



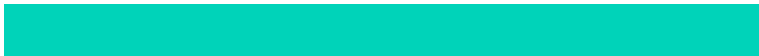
49.0711, 0.4212, 0.4439

Triad

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



49.0711, 0.4582, 0.3948



49.0711, 0.2250, 0.3703



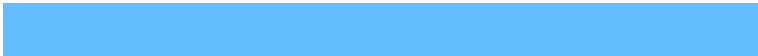
49.0711, 0.2556, 0.2197

Complementary

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



49.0711, 0.4582, 0.3948



46.2630, 0.2190, 0.2448

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.



49.0711, 0.2065, 0.2169



49.0711, 0.4582, 0.3948



49.0711, 0.1900, 0.2931

Square

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



49.0711, 0.4582, 0.3948



49.0711, 0.2857, 0.4415



49.0711, 0.1843, 0.2402



49.0711, 0.3268, 0.2445

Rectangle

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



49.0711, 0.4582, 0.3948



49.0711, 0.3807, 0.4640



49.0711, 0.1843, 0.2402



49.0711, 0.2364, 0.2161

Sweetspot

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



49.0705, 0.4582, 0.3948



81.6422, 0.3444, 0.3486



33.8991, 0.3893, 0.2400



16.8985, 0.3503, 0.3520



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.



49.0705, 0.4582, 0.3948



42.7461, 0.4954, 0.4008



85.6644, 0.4061, 0.4624



19.2503, 0.3284, 0.3391



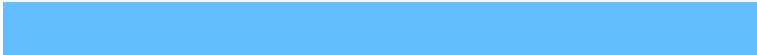
16.9818, 0.5635, 0.3908



1.8643, 0.5433, 0.4068

Inverse Universe

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



46.2630, 0.2190, 0.2448



39.6238, 0.2049, 0.2251



21.4582, 0.1963, 0.1453



19.1182, 0.2979, 0.3187



14.9958, 0.1844, 0.1838



1.6766, 0.1894, 0.2019

Previews

White Background



This preview shows how the Yxy color 49.0711, 0.4582, 0.3948 looks on a white background.

Color Contrast Check

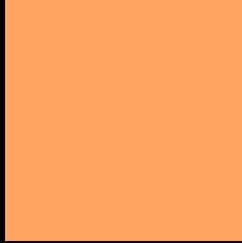
Large Text (above 18pt) WCAG AA × Fail

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 49.0711, 0.4582, 0.3948 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 49.0711, 0.4582, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 49.0711, 0.4582, 0.3948.



This preview shows how white text looks on a background with the Yxy color 49.0711, 0.4582, 0.3948.

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

49.0711, 0.4582, 0.3948

Protanopia

49.1376, 0.3935, 0.4265

Deuteranopia

49.3433, 0.4280, 0.4195



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

49.0711, 0.4582, 0.3948

Protanomaly

48.5080, 0.4173, 0.4148

Deuteranomaly

48.9274, 0.4390, 0.4102

Tritanomaly

48.7634, 0.4202, 0.3471

Monochromacy



Original Color

49.0711, 0.4582, 0.3948

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.4458, 0.3633, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0711, 0.4582, 0.3948 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 99) }
```

Border

The CSS property to change the border of an element to Yxy 49.0711, 0.4582, 0.3948 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, 99) }
```

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

```
.border{ border-color:rgb(255, 165, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0711, 0.4582, 0.3948 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, 99) }
```

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

```
.background{ background-color: rgb(255,  
165, 99) }
```

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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