

Converting Colors

$Y_{xy}(49.0546, 0.4559, 0.3920)$

Have a look what the booklet for
Yxy(49.0546, 0.4559, 0.3920)
contains.

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Color

Yxy(49.1296, 0.4558, 0.3922)

Conversions

Conversions Part 1

Format	Color
Hex	FFA566
RGB	255, 165, 102
RGB Percent	100%, 65%, 40%
CMY	0.0000, 0.3529, 0.6000
CMYK	0.00, 0.35, 0.60, 0.00
HSL	25°, 100%, 70%
HSV	25°, 60%, 100%
XYZ	57.0966, 49.1296, 19.0405
YIQ	184.7280, 73.8630, -0.5130

Conversions

Conversions Part 2

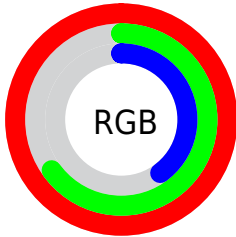
Format	Color
R_{YB}	255, 209, 102
Decimal	16754022
CIE _{Lab}	75.53, 27.35, 45.97
CIE _{LCh}	76, 53.493, 59.250
Yxy	49.1296, 0.4558, 0.3922
Android (android.graphics.Color)	4294944102 (0xFFFFA566)
YUV	184.7280, -40.7849, 61.6285
Hunter-Lab	70.0925, 22.7422, 32.9587

Details

The Yxy color **49.1296, 0.4558, 0.3922** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.7380, 0.2210, 0.2490**, and the grayscale version is **48.5555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7795, 0.3852, 0.3965**, and **23.5275, 0.4912, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **43.6020, 0.4879, 0.3978**, and if you desaturate by 10%, it is **55.4474, 0.4248, 0.3835**.

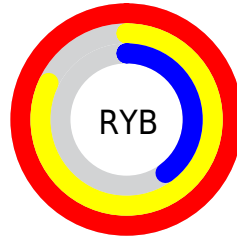
Distribution



Red (100%)

Green (65%)

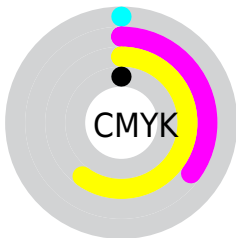
Blue (40%)



Red (100%)

Yellow (82%)

Blue (40%)

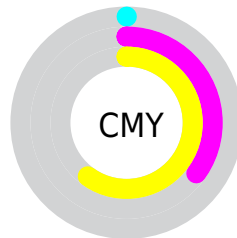


Cyan (0%)

Magenta (35%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1296, 0.4558, 0.3922 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 49.1296, 0.4558, 0.3922 by changing the saturation by 10% instead.


 49.1296, 0.4558,
0.3922


 49.1296, 0.4558,
0.3922


383.2523, 0.3860,
0.3663

 34.7223, 0.4719,
0.3965


 88.8839, 0.4313,
0.3843

 23.4490, 0.4915,
0.4008


 114.9997, 0.4218,
0.3809

 14.9254, 0.5157,
0.4042


 145.7871, 0.4137,
0.3778

 8.7671, 0.5454,
0.4050

 181.6305, 0.4066,
0.3751

 4.5896, 0.5928,
0.4072

222.9144, 0.4005,
0.3726

 2.0085, 0.6223,
0.3777

270.0230, 0.3951,

 0.6124, 0.6830,

0.3703

0.3170

323.3409, 0.3903,
0.3682

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.1296, 0.4558,
0.3922

■ 49.1296, 0.4558,
0.3922

■ 43.6020, 0.4879,
0.3978

■ 55.4474, 0.4248,
0.3835

■ 38.8278, 0.5191,
0.3991


■ 62.5890, 0.3963,
0.3730

■ 34.7664, 0.5469,
0.3950

■ 70.5857, 0.3709,
0.3617

■ 31.3657, 0.5696,
0.3859

■ 79.4672, 0.3486,
0.3504

 89.2614, 0.3293,
0.3394

99.9950, 0.3127,
0.3290

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.



49.1296, 0.4488, 0.3376



49.1296, 0.4558, 0.3922



49.1296, 0.4209, 0.4405

Triad

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



49.1296, 0.4558, 0.3922



49.1296, 0.2284, 0.3720



49.1296, 0.2549, 0.2212

Complementary

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



49.1296, 0.4558, 0.3922



47.7380, 0.2210, 0.2490

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.



49.1296, 0.2074, 0.2193



49.1296, 0.4558, 0.3922



49.1296, 0.1930, 0.2962

Square

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



49.1296, 0.4558, 0.3922



49.1296, 0.2887, 0.4404



49.1296, 0.1864, 0.2433



49.1296, 0.3241, 0.2450

Rectangle

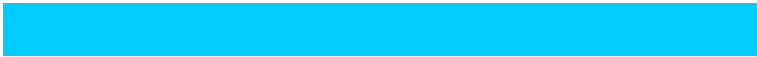
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1296, 0.4558, 0.3922



49.1296, 0.3817, 0.4606



49.1296, 0.1864, 0.2433



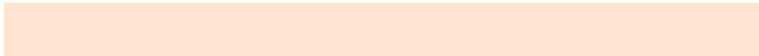
49.1296, 0.2362, 0.2180

Sweetspot

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



49.1296, 0.4558, 0.3922



81.3565, 0.3445, 0.3481



34.6463, 0.3841, 0.2389



16.8292, 0.3505, 0.3514



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.



49.1296, 0.4558, 0.3922



42.5903, 0.4942, 0.3985



84.3621, 0.4061, 0.4585



19.2157, 0.3284, 0.3388



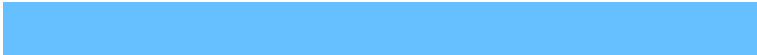
16.6661, 0.5667, 0.3882



1.8317, 0.5462, 0.4045

Inverse Universe

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



47.7380, 0.2210, 0.2490



40.9719, 0.2067, 0.2296



22.8343, 0.1992, 0.1520



19.1537, 0.2979, 0.3190



15.4695, 0.1855, 0.1878



1.7216, 0.1904, 0.2055

Previews

White Background



This preview shows how the Yxy color 49.1296, 0.4558, 0.3922 looks on a white background.

Color Contrast Check

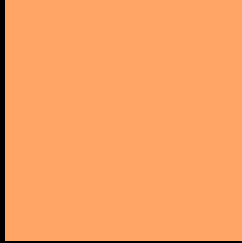
Large Text (above 18pt) WCAG AA × Fail

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 49.1296, 0.4558, 0.3922 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 49.1296, 0.4558, 0.3922

Background



This preview shows how black text looks on a background with the Yxy color 49.1296, 0.4558, 0.3922.



This preview shows how white text looks on a background with the Yxy color 49.1296, 0.4558, 0.3922.

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

49.1296, 0.4558, 0.3922

Protanopia

49.5038, 0.3891, 0.4235

Deuteranopia

49.3997, 0.4258, 0.4167



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

49.1296, 0.4558, 0.3922

Protanomaly

48.9897, 0.4136, 0.4118

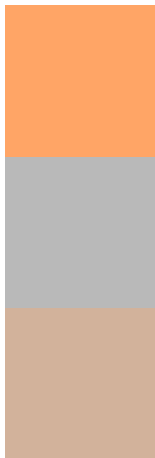
Deuteranomaly

48.9844, 0.4367, 0.4074

Tritanomaly

48.7941, 0.4192, 0.3461

Monochromacy



Original Color

49.1296, 0.4558, 0.3922

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.9090, 0.3612, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1296, 0.4558, 0.3922 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 102) }
```

Border

The CSS property to change the border of an element to Yxy 49.1296, 0.4558, 0.3922 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, 102) }
```

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

```
.border{ border-color:rgb(255, 165, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1296, 0.4558, 0.3922 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
165, 102) }
```

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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