

Converting Colors

$Y_{xy}(58.0722, 0.4869, 0.3792)$

Have a look what the booklet for
Yxy(58.0722, 0.4869, 0.3792)
contains.

Yxy(49.1697, 0.4541, 0.3904)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.1697, 0.4541, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	FFA568
RGB	255, 165, 104
RGB Percent	100%, 65%, 41%
CMY	0.0000, 0.3529, 0.5920
CMYK	0.00, 0.35, 0.59, 0.00
HSL	24°, 100%, 70%
HSV	24°, 59%, 100%
XYZ	57.1925, 49.1697, 19.5848
YIQ	184.9560, 73.2210, 0.1090

Conversions

Conversions Part 2

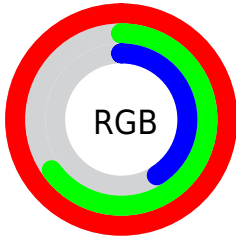
Format	Color
R _Y B	255, 206, 104
Decimal	16754024
CIE Lab	75.56, 27.48, 44.96
CIE LCh	76, 52.692, 58.566
Yxy	49.1697, 0.4541, 0.3904
Android (android.graphics.Color)	4294944104 (0xFFFFA568)
YUV	184.9560, -39.9113, 61.4286
Hunter-Lab	70.1211, 22.8771, 32.5251

Details

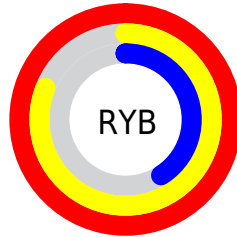
The Yxy color **49.1697, 0.4541, 0.3904** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.7592, 0.2225, 0.2519**, and the grayscale version is **48.6893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8467, 0.3839, 0.3945**, and **23.5459, 0.4894, 0.3999** is the 20% darker color. If you saturate the color by 10%, you get **43.5679, 0.4865, 0.3962**, and if you desaturate by 10%, it is **55.5848, 0.4230, 0.3817**.

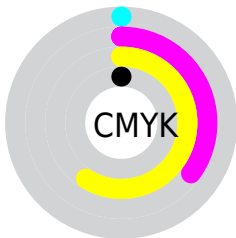
Distribution



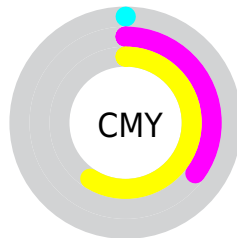
- Red (100%)
- Green (65%)
- Blue (41%)



- Red (100%)
- Yellow (81%)
- Blue (41%)



- Cyan (0%)
- Magenta (35%)
- Yellow (59%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1697, 0.4541, 0.3904 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 49.1697, 0.4541, 0.3904 by changing the saturation by 10% instead.


 49.1697, 0.4541,
0.3904


 49.1697, 0.4541,
0.3904


383.4100, 0.3850,
0.3652


 34.7541, 0.4701,
0.3946


 88.9434, 0.4298,
0.3827

 23.4735, 0.4897,
0.3988


 115.0704, 0.4204,
0.3794

 14.9435, 0.5139,
0.4023


 145.8699, 0.4123,
0.3764

 8.7798, 0.5438,
0.4032

 181.7264, 0.4054,
0.3737

 4.5978, 0.5932,
0.4068

223.0243, 0.3993,
0.3713

 2.0133, 0.6227,
0.3773

270.1479, 0.3940,

 0.6152, 0.6833,

0.3691

0.3167

323.4817, 0.3892,
0.3671

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.1697, 0.4541,
0.3904

49.1697, 0.4541,
0.3904

43.5679, 0.4865,
0.3962

55.5848, 0.4230,
0.3817

38.7346, 0.5183,
0.3976

62.8402, 0.3945,
0.3713

34.6310, 0.5468,
0.3938

70.9704, 0.3691,
0.3602

31.2053, 0.5701,
0.3849

80.0057, 0.3470,
0.3491

■ 30.9558, 0.5719,
0.3841

■ 89.9747, 0.3279,
0.3383

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



49.1697, 0.4461, 0.3365



49.1697, 0.4541, 0.3904



49.1697, 0.4207, 0.4382

Triad

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



49.1697, 0.4541, 0.3904



49.1697, 0.2307, 0.3731



49.1697, 0.2544, 0.2223

Complementary

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



49.1697, 0.4541, 0.3904



48.7592, 0.2225, 0.2519

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.



49.1697, 0.2080, 0.2210



49.1697, 0.4541, 0.3904



49.1697, 0.1951, 0.2984

Square

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



49.1697, 0.4541, 0.3904



49.1697, 0.2907, 0.4396



49.1697, 0.1878, 0.2454



49.1697, 0.3223, 0.2453

Rectangle

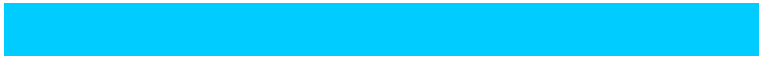
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1697, 0.4541, 0.3904



49.1697, 0.3823, 0.4583



49.1697, 0.1878, 0.2454



49.1697, 0.2361, 0.2193

Sweetspot

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



49.1722, 0.4541, 0.3904



81.1566, 0.3445, 0.3478



35.0902, 0.3827, 0.2398



16.7807, 0.3505, 0.3510



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.



49.1722, 0.4541, 0.3904



42.6444, 0.4924, 0.3968



84.5159, 0.4050, 0.4572



19.1914, 0.3284, 0.3386



16.4508, 0.5689, 0.3864



1.8093, 0.5482, 0.4029

Inverse Universe

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



48.7592, 0.2225, 0.2519



42.0787, 0.2083, 0.2333



23.3921, 0.2008, 0.1546



19.1786, 0.2979, 0.3192



15.8085, 0.1863, 0.1906



1.7537, 0.1911, 0.2080

Previews

White Background



This preview shows how the Yxy color 49.1697, 0.4541, 0.3904 looks on a white background.

Color Contrast Check

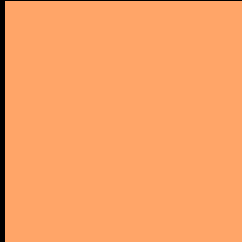
Large Text (above 18pt) WCAG AA × Fail

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 49.1697, 0.4541, 0.3904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

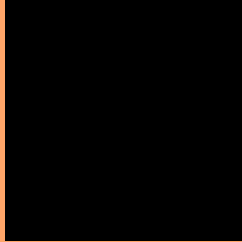
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1697, 0.4541, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 49.1697, 0.4541, 0.3904.



This preview shows how white text looks on a background with the Yxy color 49.1697, 0.4541, 0.3904.

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

49.1697, 0.4541, 0.3904

Protanopia

49.5479, 0.3876, 0.4212

Deuteranopia

49.2744, 0.4234, 0.4151



Tritanopia

49.3039, 0.3947, 0.3187

Trichromacy



Original Color

49.1697, 0.4541, 0.3904

Protanomaly

49.0323, 0.4120, 0.4097

Deuteranomaly

49.0236, 0.4351, 0.4055

Tritanomaly

49.1760, 0.4177, 0.3461

Monochromacy



Original Color

49.1697, 0.4541, 0.3904

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.9427, 0.3603, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1697, 0.4541, 0.3904 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 104) }
```

Border

The CSS property to change the border of an element to Yxy 49.1697, 0.4541, 0.3904 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, 104) }
```

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

```
.border{ border-color:rgb(255, 165, 104) }
```

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, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1697, 0.4541, 0.3904 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, 104) }
```

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

```
.background{ background-color: rgb(255,  
165, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor