

Converting Colors

$Y_{xy}(50.1485, 0.4574, 0.3996)$

Have a look what the booklet for
Yxy(50.1485, 0.4574, 0.3996)
contains.

Yxy(50.1283, 0.4574, 0.3995)	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(50.1283, 0.4574, 0.3995)

Conversions

Conversions Part 1

Format	Color
Hex	FFA861
RGB	255, 168, 97
RGB Percent	100%, 66%, 38%
CMY	0.0001, 0.3411, 0.6197
CMYK	0.00, 0.34, 0.62, 0.00
HSL	27°, 100%, 69%
HSV	27°, 62%, 100%
XYZ	57.3935, 50.1283, 17.9558
YIQ	185.9190, 74.6430, -3.6370

Conversions

Conversions Part 2

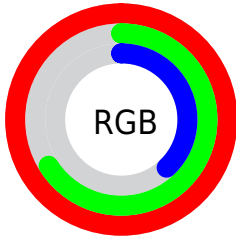
Format	Color
R _Y B	255, 226, 97
Decimal	16754785
CIE Lab	76.15, 25.43, 49.20
CIE LCh	76, 55.381, 62.671
Yxy	50.1283, 0.4574, 0.3995
Android (android.graphics.Color)	4294944865 (0xFFFFA861)
YUV	185.9190, -43.8371, 60.5840
Hunter-Lab	70.8013, 20.7945, 34.5245

Details

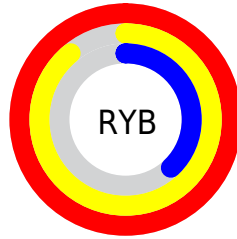
The Yxy color **50.1283, 0.4574, 0.3995** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.0160, 0.2167, 0.2378**, and the grayscale version is **49.2748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2053, 0.3874, 0.4042**, and **24.1654, 0.4917, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **44.8233, 0.4876, 0.4052**, and if you desaturate by 10%, it is **56.1504, 0.4277, 0.3904**.

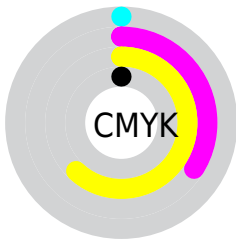
Distribution



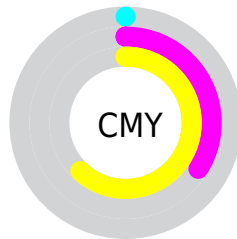
- Red (100%)
- Green (66%)
- Blue (38%)



- Red (100%)
- Yellow (89%)
- Blue (38%)



- Cyan (0%)
- Magenta (34%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (34%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1283, 0.4574, 0.3995 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 50.1283, 0.4574, 0.3995 by changing the saturation by 10% instead.


 50.1283, 0.4574,
0.3995

 50.1283, 0.4574,
0.3995

387.1675, 0.3875,
0.3705

 35.5154, 0.4732,
0.4044


 90.3649, 0.4330,
0.3907


 24.0601, 0.4924,
0.4092


 116.7574, 0.4236,
0.3868

 15.3782, 0.5156,
0.4132

 147.8452, 0.4154,
0.3834

 9.0853, 0.5435,
0.4146

 184.0127, 0.4083,
0.3803

 4.7968, 0.5847,
0.4153

225.6443, 0.4021,
0.3775

 2.1286, 0.6117,
0.3883

273.1243, 0.3967,

 0.6806, 0.6637,

0.3749

0.3363

326.8373, 0.3918,
0.3726

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.1283, 0.4574,
0.3995

50.1283, 0.4574,
0.3995

44.8233, 0.4876,
0.4052

56.1504, 0.4277,
0.3904

40.1949, 0.5164,
0.4063


62.9121, 0.3998,
0.3792


36.2087, 0.5416,
0.4018

70.4440, 0.3746,
0.3670

33.4351, 0.5586,
0.3947

78.7722, 0.3522,
0.3547

 87.9217, 0.3327,
0.3426

 97.9160, 0.3158,
0.3312

99.9956, 0.3127,
0.3290

Harmonies

Analogous

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



50.1283, 0.4559, 0.3438



50.1283, 0.4574, 0.3995



50.1283, 0.4173, 0.4477

Triad

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



50.1283, 0.4574, 0.3995



50.1283, 0.2205, 0.3638



50.1283, 0.2604, 0.2204

Complementary

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



50.1283, 0.4574, 0.3995



44.0160, 0.2167, 0.2378

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.



50.1283, 0.2090, 0.2156



50.1283, 0.4574, 0.3995



50.1283, 0.1878, 0.2874

Square

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



50.1283, 0.4574, 0.3995



50.1283, 0.2798, 0.4377



50.1283, 0.1845, 0.2367



50.1283, 0.3332, 0.2470

Rectangle

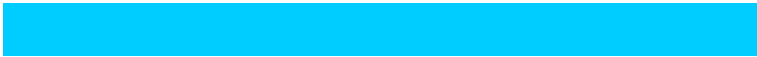
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.1283, 0.4574, 0.3995



50.1283, 0.3754, 0.4662



50.1283, 0.1845, 0.2367



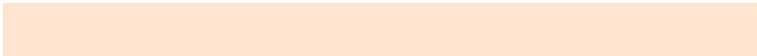
50.1283, 0.2404, 0.2162

Sweetspot

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



50.1308, 0.4574, 0.3995



81.4135, 0.3462, 0.3510



33.3693, 0.3941, 0.2416



16.8832, 0.3520, 0.3545



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.



50.1308, 0.4574, 0.3995



43.8356, 0.4937, 0.4059



87.0872, 0.4056, 0.4655



19.3319, 0.3283, 0.3397



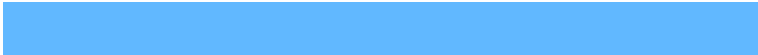
17.7624, 0.5558, 0.3969



1.9439, 0.5364, 0.4123

Inverse Universe

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



44.0160, 0.2167, 0.2378



37.1977, 0.2020, 0.2164



20.3827, 0.1941, 0.1399



19.0353, 0.2979, 0.3180



13.9293, 0.1818, 0.1746



1.5745, 0.1871, 0.1936

Previews

White Background



This preview shows how the Yxy color 50.1283, 0.4574, 0.3995 looks on a white background.

Color Contrast Check

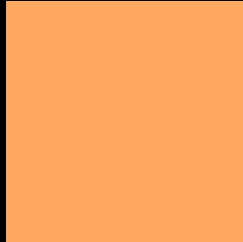
Large Text (above 18pt) WCAG AA × Fail

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 50.1283, 0.4574, 0.3995 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 50.1283, 0.4574, 0.3995

Background



This preview shows how black text looks on a background with the Yxy color 50.1283, 0.4574, 0.3995.



This preview shows how white text looks on a background with the Yxy color 50.1283, 0.4574, 0.3995.

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

50.1283, 0.4574, 0.3995

Protanopia

50.2313, 0.3957, 0.4301

Deuteranopia

50.0373, 0.4305, 0.4216



Tritanopia

50.1178, 0.3911, 0.3176

Trichromacy



Original Color

50.1283, 0.4574, 0.3995



Protanomaly

49.8346, 0.4177, 0.4196



Deuteranomaly

50.0114, 0.4407, 0.4133



Tritanomaly

49.8553, 0.4177, 0.3492

Monochromacy



Original Color

50.1283, 0.4574, 0.3995



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

48.4222, 0.3627, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1283, 0.4574, 0.3995 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, 168, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 97)  
}
```

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, 168, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 97) }
```

Border

The CSS property to change the border of an element to Yxy 50.1283, 0.4574, 0.3995 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, 168, 97) }
```

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

```
.border{ border-color:rgb(255, 168, 97) }
```

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

Here you see how a box with a 4 pixel rgb(255, 168, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1283, 0.4574, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 97) }
```

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

```
.background{ background-color: rgb(255,  
168, 97) }
```

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