

Converting Colors

$Y_{xy}(57.0686, 0.4759, 0.3976)$

Have a look what the booklet for
Yxy(57.0686, 0.4759, 0.3976)
contains.

Yxy(51.9734, 0.4550, 0.4060)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.9734, 0.4550, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD5F
RGB	255, 173, 95
RGB Percent	100%, 68%, 37%
CMY	0.0001, 0.3215, 0.6274
CMYK	0.00, 0.32, 0.63, 0.00
HSL	29°, 100%, 69%
HSV	29°, 63%, 100%
XYZ	58.2461, 51.9734, 17.7938
YIQ	188.6260, 73.9100, -6.8740

Conversions

Conversions Part 2

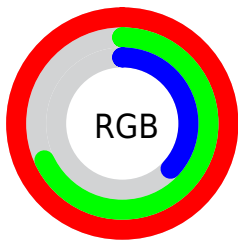
Format	Color
R _Y B	255, 247, 95
Decimal	16756063
CIE Lab	77.26, 22.69, 51.46
CIE LCh	77, 56.238, 66.202
Yxy	51.9734, 0.4550, 0.4060
Android (android.graphics.Color)	4294946143 (0xFFFFAD5F)
YUV	188.6260, -46.1576, 58.2100
Hunter-Lab	72.0926, 18.0542, 35.8309

Details

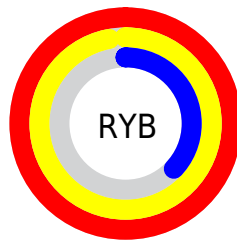
The Yxy color **51.9734, 0.4550, 0.4060** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.0963, 0.2137, 0.2282**, and the grayscale version is **50.9038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4367, 0.3856, 0.4106**, and **25.0841, 0.4889, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **46.8164, 0.4833, 0.4123**, and if you desaturate by 10%, it is **57.7775, 0.4268, 0.3962**.

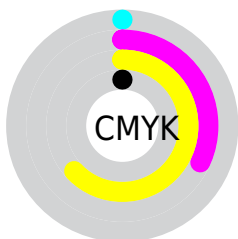
Distribution



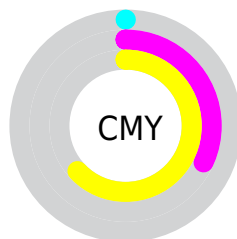
- Red (100%)
- Green (68%)
- Blue (37%)



- Red (100%)
- Yellow (97%)
- Blue (37%)



- Cyan (0%)
- Magenta (32%)
- Yellow (63%)
- Black (0%)



- Cyan (0%)
- Magenta (32%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9734, 0.4550, 0.4060 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 51.9734, 0.4550, 0.4060 by changing the saturation by 10% instead.


 51.9734, 0.4550,
0.4060


 51.9734, 0.4550,
0.4060


394.3339, 0.3870,
0.3740


 36.9839, 0.4701,
0.4115


 93.0920, 0.4315,
0.3962

 25.1950, 0.4883,
0.4172


 119.9899, 0.4223,
0.3919

 16.2224, 0.5100,
0.4222


 151.6260, 0.4144,
0.3881

 9.6817, 0.5358,
0.4249

 188.3847, 0.4075,
0.3847

 5.1884, 0.5729,
0.4271

230.6505, 0.4014,
0.3816

 2.3582, 0.5963,
0.4037

278.8077, 0.3960,

 0.8043, 0.6374,

0.3788

0.3626

333.2407, 0.3913,
0.3763

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.9734, 0.4550,
0.4060

51.9734, 0.4550,
0.4060

46.8164, 0.4833,
0.4123

57.7775, 0.4268,
0.3962

42.2692, 0.5100,
0.4137


64.2475, 0.4000,
0.3842

38.3011, 0.5331,
0.4096

71.4111, 0.3754,
0.3711

35.7521, 0.5473,
0.4036

79.2913, 0.3534,
0.3578

 87.9102, 0.3339,
0.3447

 97.2886, 0.3170,
0.3323

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



51.9734, 0.4590, 0.3504



51.9734, 0.4550, 0.4060



51.9734, 0.4108, 0.4524

Triad

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



51.9734, 0.4550, 0.4060



51.9734, 0.2148, 0.3542



51.9734, 0.2679, 0.2222

Complementary

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



51.9734, 0.4550, 0.4060



41.0963, 0.2137, 0.2282

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.



51.9734, 0.2134, 0.2146



51.9734, 0.4550, 0.4060



51.9734, 0.1856, 0.2796

Square

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



51.9734, 0.4550, 0.4060



51.9734, 0.2716, 0.4310



51.9734, 0.1856, 0.2324



51.9734, 0.3426, 0.2511

Rectangle

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



51.9734, 0.4550, 0.4060



51.9734, 0.3674, 0.4680



51.9734, 0.1856, 0.2324



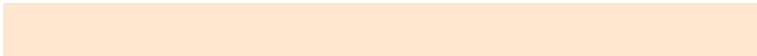
51.9734, 0.2470, 0.2171

Sweetspot

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



51.9760, 0.4550, 0.4060



82.4323, 0.3458, 0.3528



32.6472, 0.4058, 0.2484



17.1285, 0.3516, 0.3566



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.



51.9760, 0.4550, 0.4060



45.7391, 0.4896, 0.4130



91.9052, 0.4020, 0.4724



19.4491, 0.3282, 0.3406



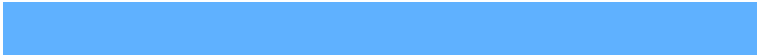
18.9803, 0.5447, 0.4057



2.0658, 0.5267, 0.4200

Inverse Universe

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



41.0963, 0.2137, 0.2282



34.0566, 0.1983, 0.2045



18.3309, 0.1907, 0.1290



18.9171, 0.2979, 0.3171



12.5092, 0.1782, 0.1616



1.4367, 0.1838, 0.1818

Previews

White Background



This preview shows how the Yxy color 51.9734, 0.4550, 0.4060 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 51.9734, 0.4550, 0.4060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

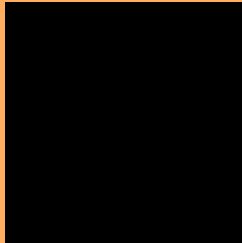
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9734, 0.4550, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 51.9734, 0.4550, 0.4060.



This preview shows how white text looks on a background with the Yxy color 51.9734, 0.4550, 0.4060.

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

51.9734, 0.4550, 0.4060

Protanopia

52.0501, 0.3996, 0.4347

Deuteranopia

52.0791, 0.4334, 0.4235



Tritanopia

52.1118, 0.3846, 0.3176

Trichromacy



Original Color

51.9734, 0.4550, 0.4060

Protanomaly

51.5127, 0.4199, 0.4235

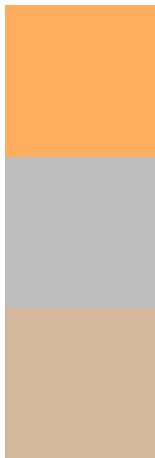
Deuteranomaly

52.1030, 0.4410, 0.4170

Tritanomaly

51.7741, 0.4124, 0.3514

Monochromacy



Original Color

51.9734, 0.4550, 0.4060

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.3797, 0.3624, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9734, 0.4550, 0.4060 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, 173, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 95)  
}
```

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, 173, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 95) }
```

Border

The CSS property to change the border of an element to Yxy 51.9734, 0.4550, 0.4060 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, 173, 95) }
```

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

```
.border{ border-color:rgb(255, 173, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9734, 0.4550, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 95) }
```

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

```
.background{ background-color: rgb(255,  
173, 95) }
```

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