

Converting Colors

$Y_{xy}(52.1211, 0.4535, 0.4048)$

Have a look what the booklet for
Yxy(52.1211, 0.4535, 0.4048)
contains.

Yxy(52.0102, 0.4536, 0.4044)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.0102, 0.4536, 0.4044)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD61
RGB	255, 173, 97
RGB Percent	100%, 68%, 38%
CMY	0.0000, 0.3215, 0.6198
CMYK	0.00, 0.32, 0.62, 0.00
HSL	29°, 100%, 69%
HSV	29°, 62%, 100%
XYZ	58.3379, 52.0102, 18.2627
YIQ	188.8540, 73.2680, -6.2520

Conversions

Conversions Part 2

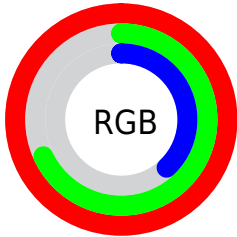
Format	Color
RYB	255, 243, 97
Decimal	16756065
CIELab	77.29, 22.82, 50.54
CIELCh	77, 55.456, 65.699
Yxy	52.0102, 0.4536, 0.4044
Android (android.graphics.Color)	4294946145 (0xFFFFAD61)
YUV	188.8540, -45.2840, 58.0100
Hunter-Lab	72.1181, 18.1857, 35.4684

Details

The Yxy color **52.0102, 0.4536, 0.4044** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.9744, 0.2151, 0.2310**, and the grayscale version is **51.0330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5006, 0.3843, 0.4087**, and **25.0995, 0.4874, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **46.7865, 0.4823, 0.4108**, and if you desaturate by 10%, it is **57.8942, 0.4252, 0.3946**.

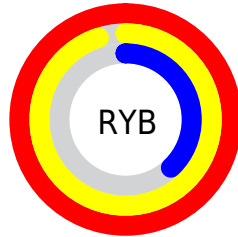
Distribution



Red (100%)

Green (68%)

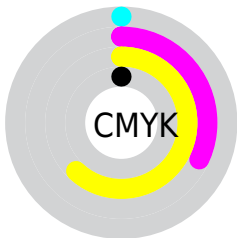
Blue (38%)



Red (100%)

Yellow (95%)

Blue (38%)

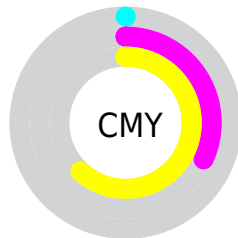


Cyan (0%)

Magenta (32%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0102, 0.4536, 0.4044 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 52.0102, 0.4536, 0.4044 by changing the saturation by 10% instead.

 52.0102, 0.4536,
0.4044

 52.0102, 0.4536,
0.4044


394.4760, 0.3862,
0.3730


 37.0132, 0.4687,
0.4099


 93.1463, 0.4303,
0.3947


 25.2177, 0.4868,
0.4155


 120.0542, 0.4211,
0.3906

 16.2393, 0.5086,
0.4205


 151.7011, 0.4132,
0.3868

 9.6937, 0.5347,
0.4234

 188.4716, 0.4064,
0.3835

 5.1963, 0.5733,
0.4267

230.7499, 0.4004,
0.3805

 2.3629, 0.5968,
0.4032

278.9204, 0.3951,

 0.8067, 0.6380,

0.3777

0.3620

333.3677, 0.3904,
0.3753

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.0102, 0.4536,
0.4044

52.0102, 0.4536,
0.4044

46.7865, 0.4823,
0.4108

57.8942, 0.4252,
0.3946

42.1854, 0.5094,
0.4125


64.4579, 0.3983,
0.3826


38.1761, 0.5332,
0.4087

71.7290, 0.3738,
0.3696

35.3540, 0.5492,
0.4021

79.7312, 0.3519,
0.3564

 88.4868, 0.3326,
0.3436

 98.0170, 0.3158,
0.3313

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



52.0102, 0.4567, 0.3494



52.0102, 0.4536, 0.4044



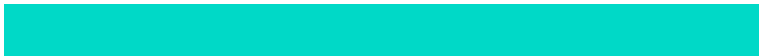
52.0102, 0.4107, 0.4503

Triad

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



52.0102, 0.4536, 0.4044



52.0102, 0.2168, 0.3552



52.0102, 0.2675, 0.2231

Complementary

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



52.0102, 0.4536, 0.4044



41.9744, 0.2151, 0.2310

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.



52.0102, 0.2139, 0.2161



52.0102, 0.4536, 0.4044



52.0102, 0.1873, 0.2815

Square

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



52.0102, 0.4536, 0.4044



52.0102, 0.2734, 0.4304



52.0102, 0.1868, 0.2342



52.0102, 0.3409, 0.2514

Rectangle

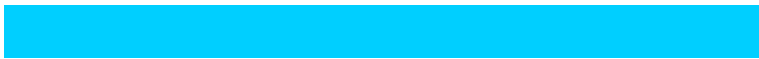
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.0102, 0.4536, 0.4044



52.0102, 0.3680, 0.4659



52.0102, 0.1868, 0.2342



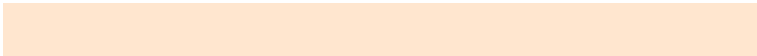
52.0102, 0.2469, 0.2182

Sweetspot

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



52.0128, 0.4536, 0.4044



82.2624, 0.3459, 0.3525



33.1465, 0.4008, 0.2466



17.0876, 0.3517, 0.3563



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.



52.0128, 0.4536, 0.4044



45.8086, 0.4880, 0.4116



90.3215, 0.4026, 0.4693



19.4296, 0.3282, 0.3405



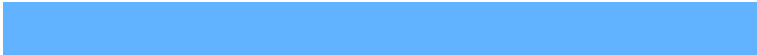
18.7698, 0.5466, 0.4042



2.0449, 0.5283, 0.4187

Inverse Universe

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



41.9744, 0.2151, 0.2310



35.0071, 0.1999, 0.2081



19.3059, 0.1928, 0.1341



18.9367, 0.2979, 0.3173



12.7363, 0.1788, 0.1637



1.4589, 0.1844, 0.1837

Previews

White Background



This preview shows how the Yxy color 52.0102, 0.4536, 0.4044 looks on a white background.

Color Contrast Check

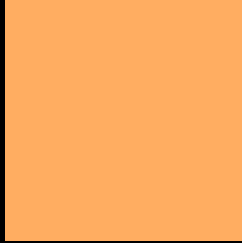
Large Text (above 18pt) WCAG AA × Fail

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 52.0102, 0.4536, 0.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

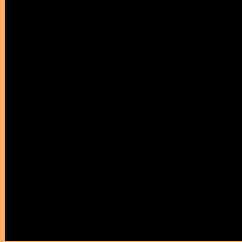
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0102, 0.4536, 0.4044

Background



This preview shows how black text looks on a background with the Yxy color 52.0102, 0.4536, 0.4044.



This preview shows how white text looks on a background with the Yxy color 52.0102, 0.4536, 0.4044.

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

52.0102, 0.4536, 0.4044

Protanopia

52.0898, 0.3982, 0.4327

Deuteranopia

51.9443, 0.4311, 0.4221



Tritanopia

52.1118, 0.3846, 0.3176

Trichromacy



Original Color

52.0102, 0.4536, 0.4044

Protanomaly

51.5515, 0.4184, 0.4216

Deuteranomaly

51.9620, 0.4387, 0.4156

Tritanomaly

51.8059, 0.4115, 0.3503

Monochromacy



Original Color

52.0102, 0.4536, 0.4044

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.4134, 0.3616, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0102, 0.4536, 0.4044 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 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, 173, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 97) }
```

Border

The CSS property to change the border of an element to Yxy 52.0102, 0.4536, 0.4044 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, 97) }
```

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

```
.border{ border-color:rgb(255, 173, 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, 173, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0102, 0.4536, 0.4044 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, 97) }
```

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

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