

Converting Colors

Yxy(51.5317, 0.4553, 0.4012)

Have a look what the booklet for
Yxy(51.5317, 0.4553, 0.4012)
contains.

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Color

Yxy(51.2677, 0.4544, 0.4016)

Conversions

Conversions Part 1

Format	Color
Hex	FFAB62
RGB	255, 171, 98
RGB Percent	100%, 67%, 38%
CMY	0.0000, 0.3294, 0.6158
CMYK	0.00, 0.33, 0.62, 0.00
HSL	28°, 100%, 69%
HSV	28°, 62%, 100%
XYZ	58.0081, 51.2677, 18.3828
YIQ	187.7940, 73.4970, -4.8950

Conversions

Conversions Part 2

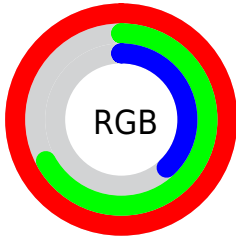
Format	Color
R _Y B	255, 234, 98
Decimal	16755554
CIE Lab	76.84, 23.94, 49.53
CIE LCh	77, 55.015, 64.203
Yxy	51.2677, 0.4544, 0.4016
Android (android.graphics.Color)	4294945634 (0xFFFFAB62)
YUV	187.7940, -44.2684, 58.9397
Hunter-Lab	71.6015, 19.3096, 34.8990

Details

The Yxy color **51.2677, 0.4544, 0.4016** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.2512, 0.2164, 0.2352**, and the grayscale version is **50.3894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4325, 0.3845, 0.4059**, and **24.6396, 0.4884, 0.4113** is the 20% darker color. If you saturate the color by 10%, you get **45.9720, 0.4839, 0.4078**, and if you desaturate by 10%, it is **57.2508, 0.4254, 0.3920**.

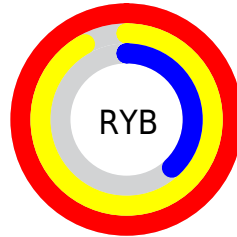
Distribution



Red (100%)

Green (67%)

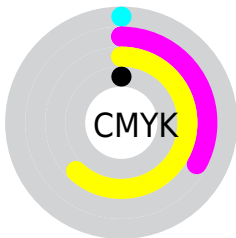
Blue (38%)



Red (100%)

Yellow (92%)

Blue (38%)

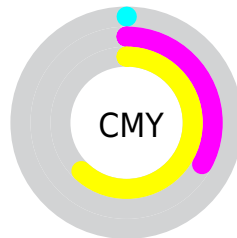


Cyan (0%)

Magenta (33%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2677, 0.4544, 0.4016 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 51.2677, 0.4544, 0.4016 by changing the saturation by 10% instead.


 51.2677, 0.4544,
0.4016

 51.2677, 0.4544,
0.4016


391.6030, 0.3863,
0.3715


 36.4217, 0.4698,
0.4068


 92.0504, 0.4307,
0.3923


 24.7601, 0.4883,
0.4121


 118.7558, 0.4215,
0.3884

 15.8984, 0.5107,
0.4167


 150.1832, 0.4135,
0.3848

 9.4523, 0.5376,
0.4191

 186.7169, 0.4066,
0.3816

 5.0373, 0.5781,
0.4219

228.7413, 0.4006,
0.3787

 2.2692, 0.6030,
0.3970

276.6409, 0.3952,

 0.7573, 0.6480,

0.3760

0.3520

330.8000, 0.3905,
0.3737

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.2677, 0.4544,
0.4016

51.2677, 0.4544,
0.4016

45.9720, 0.4839,
0.4078

57.2508, 0.4254,
0.3920

41.3290, 0.5120,
0.4094


63.9463, 0.3981,
0.3804


37.3047, 0.5366,
0.4054

71.3819, 0.3733,
0.3678

34.3613, 0.5540,
0.3983

79.5823, 0.3513,
0.3550

 88.5713, 0.3320,
0.3426

 98.3711, 0.3152,
0.3308

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.



51.2677, 0.4551, 0.3466



51.2677, 0.4544, 0.4016



51.2677, 0.4133, 0.4482

Triad

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



51.2677, 0.4544, 0.4016



51.2677, 0.2194, 0.3592



51.2677, 0.2644, 0.2225

Complementary

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



51.2677, 0.4544, 0.4016



43.2512, 0.2164, 0.2352

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.



51.2677, 0.2122, 0.2167



51.2677, 0.4544, 0.4016



51.2677, 0.1885, 0.2848

Square

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



51.2677, 0.4544, 0.4016



51.2677, 0.2769, 0.4331



51.2677, 0.1865, 0.2362



51.2677, 0.3370, 0.2498

Rectangle

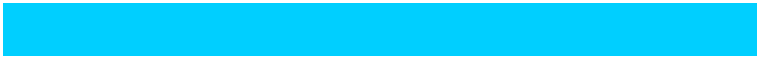
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.2677, 0.4544, 0.4016



51.2677, 0.3713, 0.4649



51.2677, 0.1865, 0.2362



51.2677, 0.2442, 0.2180

Sweetspot

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



51.2689, 0.4544, 0.4016



82.7128, 0.3440, 0.3505



33.4623, 0.3966, 0.2445



17.1584, 0.3499, 0.3542



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.



51.2689, 0.4544, 0.4016



44.7920, 0.4909, 0.4087



88.7531, 0.4037, 0.4668



19.3798, 0.3283, 0.3401



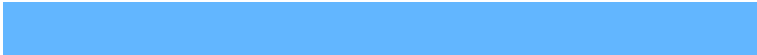
18.2467, 0.5513, 0.4005



1.9927, 0.5324, 0.4155

Inverse Universe

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



43.2512, 0.2164, 0.2352



36.1096, 0.2010, 0.2123



20.0835, 0.1942, 0.1382



18.9868, 0.2979, 0.3177



13.3328, 0.1803, 0.1692



1.5169, 0.1858, 0.1887

Previews

White Background



This preview shows how the Yxy color 51.2677, 0.4544, 0.4016 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 51.2677, 0.4544, 0.4016 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 51.2677, 0.4544, 0.4016

Background



This preview shows how black text looks on a background with the Yxy color 51.2677, 0.4544, 0.4016.



This preview shows how white text looks on a background with the Yxy color 51.2677, 0.4544, 0.4016.

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

51.2677, 0.4544, 0.4016

Protanopia

51.3817, 0.3963, 0.4314

Deuteranopia

51.3847, 0.4303, 0.4206



Tritanopia

51.3049, 0.3871, 0.3176

Trichromacy



Original Color

51.2677, 0.4544, 0.4016

Protanomaly

50.9950, 0.4175, 0.4199

Deuteranomaly

51.1846, 0.4395, 0.4128

Tritanomaly

51.0356, 0.4134, 0.3493

Monochromacy



Original Color

51.2677, 0.4544, 0.4016

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.8195, 0.3618, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2677, 0.4544, 0.4016 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, 171, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 98)  
}
```

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, 171, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 98) }
```

Border

The CSS property to change the border of an element to Yxy 51.2677, 0.4544, 0.4016 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, 171, 98) }
```

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

```
.border{ border-color:rgb(255, 171, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2677, 0.4544, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 98) }
```

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

```
.background{ background-color: rgb(255,  
171, 98) }
```

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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