

Converting Colors

$Yxy(56.3665, 0.4599, 0.4341)$

Have a look what the booklet for
Yxy(56.3665, 0.4599, 0.4341)
contains.

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Color

Yxy(56.4129, 0.4600, 0.4345)

Conversions

Conversions Part 1

Format	Color
Hex	FFB947
RGB	255, 185, 71
RGB Percent	100%, 73%, 28%
CMY	0.0000, 0.2745, 0.7217
CMYK	0.00, 0.27, 0.72, 0.00
HSL	37°, 100%, 64%
HSV	37°, 72%, 100%
XYZ	59.7237, 56.4129, 13.6975
YIQ	192.9340, 78.3140, -20.6140

Conversions

Conversions Part 2

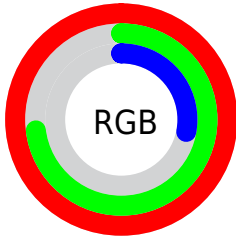
Format	Color
RYB	184, 255, 71
Decimal	16759111
CIELab	79.85, 15.12, 65.04
CIELCh	80, 66.777, 76.914
Yxy	56.4129, 0.4600, 0.4345
Android (android.graphics.Color)	4294949191 (0xFFFFB947)
YUV	192.9340, -60.1135, 54.4319
Hunter-Lab	75.1085, 10.4970, 41.7633

Details

The Yxy color **56.4129, 0.4600, 0.4345** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **27.5951, 0.1932, 0.1768**, and the grayscale version is **53.6134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6513, 0.3939, 0.4416**, and **27.9784, 0.4893, 0.4486** is the 20% darker color. If you saturate the color by 10%, you get **52.2339, 0.4801, 0.4391**, and if you desaturate by 10%, it is **61.0115, 0.4378, 0.4252**.

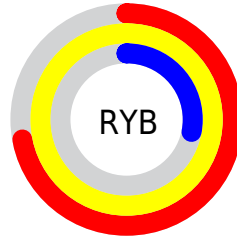
Distribution



Red (100%)

Green (73%)

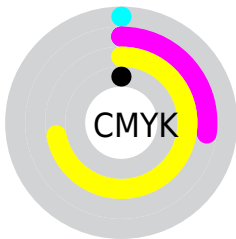
Blue (28%)



Red (72%)

Yellow (100%)

Blue (28%)

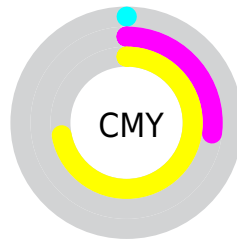


Cyan (0%)

Magenta (27%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4129, 0.4600, 0.4345 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 56.4129, 0.4600, 0.4345 by changing the saturation by 10% instead.


 56.4129, 0.4600,
0.4345


 56.4129, 0.4600,
0.4345


411.2457, 0.3932,
0.3911

 40.5341, 0.4735,
0.4418


 99.6080, 0.4380,
0.4213


 27.9552, 0.4888,
0.4491

 127.6931, 0.4290,
0.4156


 18.2919, 0.5059,
0.4555


 160.6157, 0.4211,
0.4105

 11.1597, 0.5273,
0.4621

 198.7603, 0.4142,
0.4058

 6.1744, 0.5425,
0.4575

 242.5112, 0.4080,
0.4016

 2.9514, 0.5571,
0.4429

292.2528, 0.4026,

 1.1064, 0.5820,

0.3978

0.4180

348.3695, 0.3976,
0.3943

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.4129, 0.4600,
0.4345

56.4129, 0.4600,
0.4345

52.2339, 0.4801,
0.4391

61.0115, 0.4378,
0.4252

48.4422, 0.4972,
0.4384

66.0419, 0.4149,
0.4124

45.7189, 0.5083,
0.4346

71.5253, 0.3922,
0.3973

77.4786, 0.3707,
0.3810

83.9175, 0.3506,
0.3643

90.8566, 0.3324,
0.3480

98.3099, 0.3160,
0.3323

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



56.4129, 0.4851, 0.3728



56.4129, 0.4600, 0.4345



56.4129, 0.3966, 0.4822

Triad

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



56.4129, 0.4600, 0.4345



56.4129, 0.1856, 0.3232



56.4129, 0.2894, 0.2178

Complementary

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



56.4129, 0.4600, 0.4345



27.5951, 0.1932, 0.1768

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.



56.4129, 0.2185, 0.2003



56.4129, 0.4600, 0.4345



56.4129, 0.1659, 0.2479

Square

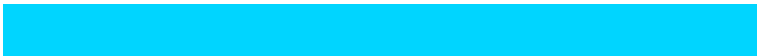
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.4129, 0.4600, 0.4345



56.4129, 0.2384, 0.4193



56.4129, 0.1772, 0.2085



56.4129, 0.3789, 0.2571

Rectangle

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



56.4129, 0.4600, 0.4345



56.4129, 0.3434, 0.4908



56.4129, 0.1772, 0.2085



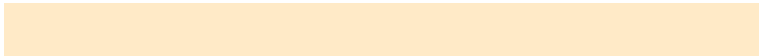
56.4129, 0.2627, 0.2093

Sweetspot

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



56.4157, 0.4600, 0.4345



84.0341, 0.3503, 0.3641



27.7003, 0.4637, 0.2657



17.6021, 0.3556, 0.3686



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.



56.4157, 0.4600, 0.4345



50.3573, 0.4888, 0.4395



89.3815, 0.3936, 0.4978



19.8621, 0.3279, 0.3437



24.1881, 0.5064, 0.4361



2.5661, 0.4938, 0.4461

Inverse Universe

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



27.5951, 0.1932, 0.1768



20.3897, 0.1759, 0.1429



14.0211, 0.1837, 0.1040



18.5099, 0.2979, 0.3139



8.5025, 0.1667, 0.1202



1.0307, 0.1730, 0.1426

Previews

White Background



This preview shows how the Yxy color 56.4129, 0.4600, 0.4345 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 56.4129, 0.4600, 0.4345 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 56.4129, 0.4600, 0.4345

Background



This preview shows how black text looks on a background with the Yxy color 56.4129, 0.4600, 0.4345.



This preview shows how white text looks on a background with the Yxy color 56.4129, 0.4600, 0.4345.

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

56.4129, 0.4600, 0.4345

Protanopia

56.7270, 0.4184, 0.4607

Deuteranopia

56.3651, 0.4523, 0.4411



Tritanopia

56.3351, 0.3724, 0.3177

Trichromacy



Original Color

56.4129, 0.4600, 0.4345

Protanomaly

56.4016, 0.4329, 0.4510

Deuteranomaly

56.4921, 0.4556, 0.4387

Tritanomaly

55.9469, 0.4099, 0.3659

Monochromacy



Original Color

56.4129, 0.4600, 0.4345

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.5958, 0.3679, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4129, 0.4600, 0.4345 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, 185, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 71)  
}
```

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, 185, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 71) }
```

Border

The CSS property to change the border of an element to Yxy 56.4129, 0.4600, 0.4345 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, 185, 71) }
```

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

```
.border{ border-color:rgb(255, 185, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4129, 0.4600, 0.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 71) }
```

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

```
.background{ background-color: rgb(255,  
185, 71) }
```

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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