

Converting Colors

$Yxy(63.0216, 0.4740, 0.4155)$

Have a look what the booklet for
Yxy(63.0216, 0.4740, 0.4155)
contains.

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Color

Yxy(57.0179, 0.4520, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA54
RGB	255, 186, 84
RGB Percent	100%, 73%, 33%
CMY	0.0000, 0.2706, 0.6706
CMYK	0.00, 0.27, 0.67, 0.00
HSL	36°, 100%, 66%
HSV	36°, 67%, 100%
XYZ	60.3986, 57.0179, 16.2087
YIQ	195.0030, 73.8660, -17.0940

Conversions

Conversions Part 2

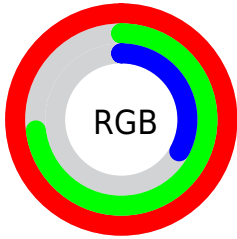
Format	Color
R _{YB}	200, 255, 84
Decimal	16759380
CIE Lab	80.19, 15.26, 59.85
CIE LCh	80, 61.761, 75.700
Yxy	57.0179, 0.4520, 0.4267
Android (android.graphics.Color)	4294949460 (0xFFFFBA54)
YUV	195.0030, -54.7245, 52.6174
Hunter-Lab	75.5102, 10.6346, 40.1302

Details

The Yxy color **57.0179, 0.4520, 0.4267** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **31.8833, 0.2018, 0.1944**, and the grayscale version is **54.8760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5704, 0.3868, 0.4321**, and **28.3331, 0.4807, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **52.5111, 0.4744, 0.4334**, and if you desaturate by 10%, it is **61.9879, 0.4283, 0.4159**.

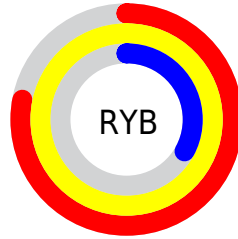
Distribution



Red (100%)

Green (73%)

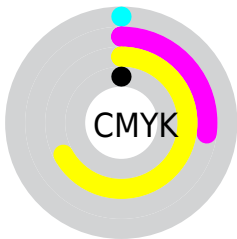
Blue (33%)



Red (78%)

Yellow (100%)

Blue (33%)

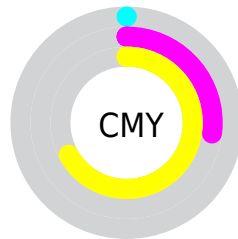


Cyan (0%)

Magenta (27%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0179, 0.4520, 0.4267 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 57.0179, 0.4520, 0.4267 by changing the saturation by 10% instead.


 57.0179, 0.4520,
0.4267

 57.0179, 0.4520,
0.4267

413.5164, 0.3880,
0.3858


 41.0196, 0.4654,
0.4339

 100.4913, 0.4306,
0.4140


 28.3344, 0.4809,
0.4415


 128.7352, 0.4219,
0.4086


 18.5779, 0.4987,
0.4488


 161.8298, 0.4144,
0.4037

 11.3657, 0.5190,
0.4546

 200.1594, 0.4078,
0.3994

 6.3134, 0.5426,
0.4574

 244.1085, 0.4020,
0.3954

 3.0365, 0.5570,
0.4430

294.0614, 0.3968,

 1.1508, 0.5816,

0.3919

0.4184

350.4026, 0.3922,
0.3887

0.0210, 0.9492,
0.0508

0.0000, 0.0000,
0.0000

57.0179, 0.4520,
0.4267

57.0179, 0.4520,
0.4267

52.5111, 0.4744,
0.4334

61.9879, 0.4283,
0.4159

48.4357, 0.4943,
0.4349

67.4330, 0.4046,
0.4023

44.7666, 0.5106,
0.4311

73.3747, 0.3819,
0.3870

43.7545, 0.5150,
0.4293

79.8302, 0.3606,
0.3709

86.8156, 0.3413,
0.3549

94.3461, 0.3238,
0.3394

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



57.0179, 0.4722, 0.3692



57.0179, 0.4520, 0.4267



57.0179, 0.3949, 0.4700

Triad

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



57.0179, 0.4520, 0.4267



57.0179, 0.1959, 0.3279



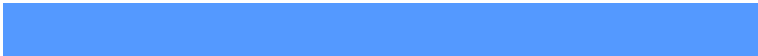
57.0179, 0.2884, 0.2239

Complementary

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



57.0179, 0.4520, 0.4267



31.8833, 0.2018, 0.1944

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.



57.0179, 0.2229, 0.2083



57.0179, 0.4520, 0.4267



57.0179, 0.1755, 0.2567

Square

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



57.0179, 0.4520, 0.4267



57.0179, 0.2470, 0.4148



57.0179, 0.1849, 0.2177



57.0179, 0.3707, 0.2603

Rectangle

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



57.0179, 0.4520, 0.4267



57.0179, 0.3457, 0.4778



57.0179, 0.1849, 0.2177



57.0179, 0.2638, 0.2162

Sweetspot

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



57.0207, 0.4520, 0.4267



84.7069, 0.3468, 0.3596



29.9749, 0.4394, 0.2616



17.7084, 0.3522, 0.3641



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.



57.0207, 0.4520, 0.4267



51.2696, 0.4806, 0.4344



90.8152, 0.3946, 0.4872



19.7892, 0.3279, 0.3432



23.1637, 0.5130, 0.4309



2.4698, 0.4994, 0.4417

Inverse Universe

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



31.8833, 0.2018, 0.1944



24.7823, 0.1850, 0.1646



16.1708, 0.1894, 0.1165



18.5808, 0.2979, 0.3144



9.1028, 0.1686, 0.1269



1.0938, 0.1748, 0.1492

Previews

White Background



This preview shows how the Yxy color 57.0179, 0.4520, 0.4267 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 57.0179, 0.4520, 0.4267 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 57.0179, 0.4520, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 57.0179, 0.4520, 0.4267.



This preview shows how white text looks on a background with the Yxy color 57.0179, 0.4520, 0.4267.

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

57.0179, 0.4520, 0.4267

Protanopia

56.9236, 0.4114, 0.4503

Deuteranopia

56.7939, 0.4437, 0.4336



Tritanopia

56.8185, 0.3703, 0.3166

Trichromacy



Original Color

57.0179, 0.4520, 0.4267

Protanomaly

56.5953, 0.4258, 0.4412

Deuteranomaly

56.9150, 0.4469, 0.4314

Tritanomaly

56.5421, 0.4042, 0.3607

Monochromacy



Original Color

57.0179, 0.4520, 0.4267

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.8175, 0.3632, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0179, 0.4520, 0.4267 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, 186, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 84)  
}
```

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, 186, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 84) }
```

Border

The CSS property to change the border of an element to Yxy 57.0179, 0.4520, 0.4267 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, 186, 84) }
```

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

```
.border{ border-color:rgb(255, 186, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 186, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0179, 0.4520, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 84) }
```

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

```
.background{ background-color: rgb(255,  
186, 84) }
```

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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