

Converting Colors

$Y_{xy}(74.4087, 0.4991, 0.4019)$

Have a look what the booklet for
Yxy(74.4087, 0.4991, 0.4019)
contains.

Yxy(58.3271, 0.4485, 0.4280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.3271, 0.4485, 0.4280)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD56
RGB	255, 189, 86
RGB Percent	100%, 74%, 34%
CMY	0.0000, 0.2588, 0.6629
CMYK	0.00, 0.26, 0.66, 0.00
HSL	37°, 100%, 67%
HSV	37°, 66%, 100%
XYZ	61.1208, 58.3271, 16.8304
YIQ	196.9920, 72.3990, -18.0410

Conversions

Conversions Part 2

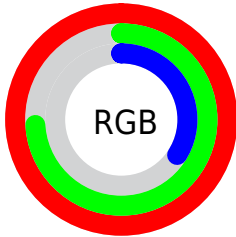
Format	Color
RYB	194, 255, 86
Decimal	16760150
CIELab	80.92, 13.81, 59.77
CIElCh	81, 61.344, 76.988
Yxy	58.3271, 0.4485, 0.4280
Android (android.graphics.Color)	4294950230 (0xFFFFBD56)
YUV	196.9920, -54.7191, 50.8730
Hunter-Lab	76.3722, 9.2026, 40.3946

Details

The Yxy color **58.3271, 0.4485, 0.4280** 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 **31.6372, 0.2022, 0.1933**, and the grayscale version is **56.1299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4583, 0.3839, 0.4319**, and **29.1766, 0.4760, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **53.8492, 0.4704, 0.4353**, and if you desaturate by 10%, it is **63.2444, 0.4253, 0.4167**.

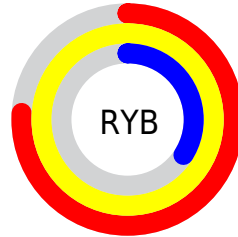
Distribution



Red (100%)

Green (74%)

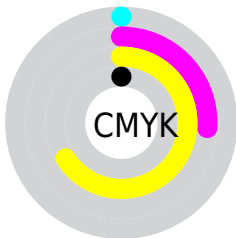
Blue (34%)



Red (76%)

Yellow (100%)

Blue (34%)

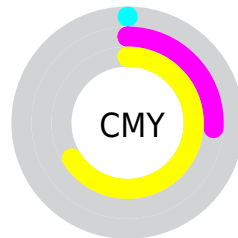


Cyan (0%)

Magenta (26%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3271, 0.4485, 0.4280 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 58.3271, 0.4485, 0.4280 by changing the saturation by 10% instead.


 58.3271, 0.4485,
0.4280


 58.3271, 0.4485,
0.4280


418.4037, 0.3864,
0.3863

 42.0717, 0.4614,
0.4355


 102.3990, 0.4277,
0.4150


 29.1574, 0.4764,
0.4435


 130.9843, 0.4194,
0.4094

 19.1999, 0.4936,
0.4514


 164.4484, 0.4121,
0.4045

 11.8148, 0.5129,
0.4579

 203.1756, 0.4057,
0.4001

 6.6177, 0.5368,
0.4632

247.5503, 0.4000,
0.3961

 3.2242, 0.5496,
0.4504

297.9570, 0.3949,

 1.2499, 0.5712,

0.3925

0.4288

354.7800, 0.3904,
0.3892

0.1019, 0.8099,
0.1901

0.0000, 0.0000,
0.0000

58.3271, 0.4485,
0.4280

58.3271, 0.4485,
0.4280

53.8492, 0.4704,
0.4353

63.2444, 0.4253,
0.4167

49.7902, 0.4899,
0.4375

68.6226, 0.4021,
0.4026

46.1229, 0.5059,
0.4344

74.4788, 0.3797,
0.3869

44.8504, 0.5112,
0.4323

80.8298, 0.3589,
0.3705

■ 87.6909, 0.3398,
0.3542

■ 95.0768, 0.3226,
0.3385

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.



58.3271, 0.4702, 0.3715



58.3271, 0.4485, 0.4280



58.3271, 0.3911, 0.4693

Triad

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



58.3271, 0.4485, 0.4280



58.3271, 0.1959, 0.3245



58.3271, 0.2920, 0.2263

Complementary

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



58.3271, 0.4485, 0.4280



31.6372, 0.2022, 0.1933

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.



58.3271, 0.2263, 0.2099



58.3271, 0.4485, 0.4280



58.3271, 0.1769, 0.2555

Square

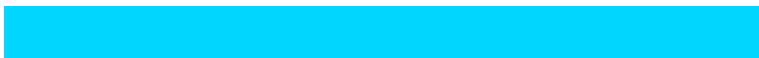
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.3271, 0.4485, 0.4280



58.3271, 0.2453, 0.4101



58.3271, 0.1874, 0.2181



58.3271, 0.3734, 0.2631

Rectangle

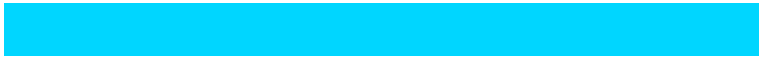
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.3271, 0.4485, 0.4280



58.3271, 0.3422, 0.4752



58.3271, 0.1874, 0.2181



58.3271, 0.2675, 0.2183

Sweetspot

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



58.3266, 0.4485, 0.4280



85.0870, 0.3466, 0.3602



30.2269, 0.4412, 0.2648



17.7997, 0.3520, 0.3648



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.



58.3266, 0.4485, 0.4280



52.2970, 0.4780, 0.4367



90.3848, 0.3920, 0.4872



19.8302, 0.3279, 0.3435



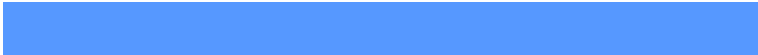
23.7342, 0.5093, 0.4338



2.5235, 0.4962, 0.4442

Inverse Universe

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



31.6372, 0.2022, 0.1933



24.0614, 0.1840, 0.1611



16.7432, 0.1924, 0.1195



18.5409, 0.2979, 0.3141



8.7598, 0.1675, 0.1231



1.0579, 0.1738, 0.1455

Previews

White Background



This preview shows how the Yxy color 58.3271, 0.4485, 0.4280 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 58.3271, 0.4485, 0.4280 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 58.3271, 0.4485, 0.4280

Background



This preview shows how black text looks on a background with the Yxy color 58.3271, 0.4485, 0.4280.



This preview shows how white text looks on a background with the Yxy color 58.3271, 0.4485, 0.4280.

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

58.3271, 0.4485, 0.4280

Protanopia

58.6672, 0.4100, 0.4504

Deuteranopia

58.2415, 0.4434, 0.4326



Tritanopia

58.1580, 0.3669, 0.3166

Trichromacy



Original Color

58.3271, 0.4485, 0.4280

Protanomaly

58.3159, 0.4241, 0.4415

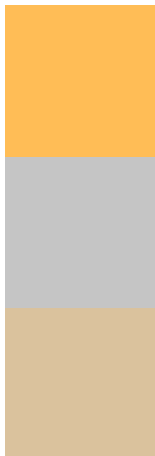
Deuteranomaly

58.1782, 0.4458, 0.4309

Tritanomaly

57.8741, 0.4002, 0.3607

Monochromacy



Original Color

58.3271, 0.4485, 0.4280

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

55.9233, 0.3618, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3271, 0.4485, 0.4280 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, 189, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 86)  
}
```

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, 189, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 86) }
```

Border

The CSS property to change the border of an element to Yxy 58.3271, 0.4485, 0.4280 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, 189, 86) }
```

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

```
.border{ border-color:rgb(255, 189, 86) }
```

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

Here you see how a box with a 4 pixel rgb(255, 189, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3271, 0.4485, 0.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 86) }
```

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

```
.background{ background-color: rgb(255,  
189, 86) }
```

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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