

Converting Colors

$Y_{xy}(55.9488, 0.4585, 0.4364)$

Have a look what the booklet for
Yxy(55.9488, 0.4585, 0.4364)
contains.

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Color

Yxy(55.8356, 0.4581, 0.4365)

Conversions

Conversions Part 1

Format	Color
Hex	FCB946
RGB	252, 185, 70
RGB Percent	99%, 73%, 27%
CMY	0.0118, 0.2745, 0.7255
CMYK	0.00, 0.27, 0.72, 0.01
HSL	38°, 97%, 63%
HSV	38°, 72%, 99%
XYZ	58.5986, 55.8356, 13.4824
YIQ	191.9230, 76.8470, -21.5610

Conversions

Conversions Part 2

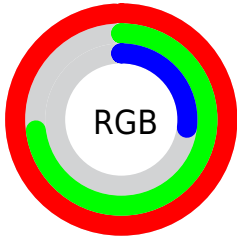
Format	Color
RYB	176, 252, 70
Decimal	16562502
CIELab	79.52, 13.83, 65.00
CIELCh	80, 66.459, 77.991
Yxy	55.8356, 0.4581, 0.4365
Android (android.graphics.Color)	4294752582 (0xFFFCB946)
YUV	191.9230, -60.1080, 52.6875
Hunter-Lab	74.7232, 9.2156, 41.6085

Details

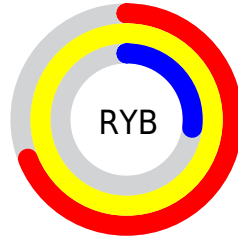
The Yxy color **55.8356, 0.4581, 0.4365** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **26.2179, 0.1925, 0.1738**, and the grayscale version is **52.9906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6258, 0.3944, 0.4424**, and **27.5789, 0.4869, 0.4516** is the 20% darker color. If you saturate the color by 10%, you get **51.8288, 0.4776, 0.4414**, and if you desaturate by 10%, it is **60.2346, 0.4365, 0.4270**.

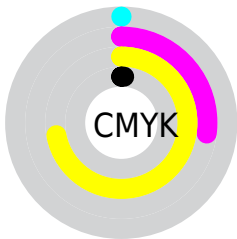
Distribution



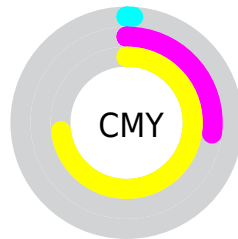
- Red (99%)
- Green (73%)
- Blue (27%)



- Red (69%)
- Yellow (99%)
- Blue (27%)



- Cyan (0%)
- Magenta (27%)
- Yellow (72%)
- Black (1%)





- Cyan (1%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8356, 0.4581, 0.4365 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 55.8356, 0.4581, 0.4365 by changing the saturation by 10% instead.


 55.8356, 0.4581,
0.4365


 55.8356, 0.4581,
0.4365


409.0716, 0.3922,
0.3919


 40.0711, 0.4714,
0.4441


 98.7642, 0.4364,
0.4229


 27.5940, 0.4865,
0.4518


 126.6971, 0.4275,
0.4170


 18.0198, 0.5031,
0.4586


 159.4549, 0.4197,
0.4117

 10.9642, 0.5245,
0.4662

 197.4220, 0.4129,
0.4069

 6.0428, 0.5383,
0.4617

 240.9828, 0.4068,
0.4026

 2.8711, 0.5520,
0.4480

290.5218, 0.4014,

 1.0648, 0.5755,

0.3987

0.4245

346.4233, 0.3966,
0.3952

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8356, 0.4581,
0.4365

■ 55.8356, 0.4581,
0.4365

■ 51.8288, 0.4776,
0.4414

■ 60.2346, 0.4365,
0.4270


■ 48.1830, 0.4941,
0.4410

■ 65.0369, 0.4140,
0.4140


■ 45.5750, 0.5047,
0.4374


■ 70.2628, 0.3917,
0.3986

■ 75.9282, 0.3704,
0.3820

 82.0478, 0.3506,
0.3651

 88.6354, 0.3324,
0.3484

 95.7042, 0.3161,
0.3324

 99.4349, 0.3109,
0.3290

Harmonies

Analogous

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



55.8356, 0.4849, 0.3750



55.8356, 0.4581, 0.4365



55.8356, 0.3938, 0.4831

Triad

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



55.8356, 0.4581, 0.4365



55.8356, 0.1845, 0.3200



55.8356, 0.2924, 0.2190

Complementary

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



55.8356, 0.4581, 0.4365



26.2179, 0.1925, 0.1738

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.



55.8356, 0.2206, 0.2006



55.8356, 0.4581, 0.4365



55.8356, 0.1659, 0.2460

Square

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



55.8356, 0.4581, 0.4365



55.8356, 0.2361, 0.4159



55.8356, 0.1783, 0.2078



55.8356, 0.3820, 0.2589

Rectangle

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



55.8356, 0.4581, 0.4365



55.8356, 0.3404, 0.4903



55.8356, 0.1783, 0.2078



55.8356, 0.2655, 0.2103

Sweetspot

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



55.8384, 0.4581, 0.4365



84.4246, 0.3502, 0.3647



26.9615, 0.4637, 0.2657



17.6946, 0.3554, 0.3693



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.



55.8384, 0.4581, 0.4365



51.3894, 0.4860, 0.4418



87.0107, 0.3936, 0.4979



19.0537, 0.3278, 0.3440



24.0324, 0.5029, 0.4389



2.4282, 0.4903, 0.4489

Inverse Universe

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



26.2179, 0.1925, 0.1738



19.7634, 0.1750, 0.1395



13.6442, 0.1837, 0.1040



17.6892, 0.2979, 0.3136



7.9736, 0.1658, 0.1169



0.9332, 0.1724, 0.1405

Previews

White Background



This preview shows how the Yxy color 55.8356, 0.4581, 0.4365 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 55.8356, 0.4581, 0.4365 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 55.8356, 0.4581, 0.4365

Background



This preview shows how black text looks on a background with the Yxy color 55.8356, 0.4581, 0.4365.



This preview shows how white text looks on a background with the Yxy color 55.8356, 0.4581, 0.4365.

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

55.8356, 0.4581, 0.4365

Protanopia

56.0982, 0.4187, 0.4611

Deuteranopia

55.7445, 0.4528, 0.4413



Tritanopia

55.8985, 0.3736, 0.3177

Trichromacy



Original Color

55.8356, 0.4581, 0.4365

Protanomaly

55.7768, 0.4334, 0.4514

Deuteranomaly

55.6872, 0.4553, 0.4394

Tritanomaly

55.3246, 0.4104, 0.3660

Monochromacy



Original Color

55.8356, 0.4581, 0.4365

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.8295, 0.3673, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8356, 0.4581, 0.4365 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(252, 185, 70)` looks like.

```
.text, #text, p{  
    color:rgb(252, 185, 70)  
}
```

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(252, 185, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 185, 70) }
```

Border

The CSS property to change the border of an element to Yxy 55.8356, 0.4581, 0.4365 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(252, 185, 70) }
```

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

```
.border{ border-color:rgb(252, 185, 70) }
```

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

Here you see how a box with a 4 pixel rgb(252, 185, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 185, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 185, 70);  
box-shadow:4px 4px 4px 4px rgb(252, 185,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8356, 0.4581, 0.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 185, 70) }
```

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

```
.background{ background-color: rgb(252,  
185, 70) }
```

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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