

Converting Colors

$Y_{xy}(56.8250, 0.4571, 0.4326)$

Have a look what the booklet for
Yxy(56.8250, 0.4571, 0.4326)
contains.

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Color

Yxy(56.8858, 0.4571, 0.4328)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA4B
RGB	255, 186, 75
RGB Percent	100%, 73%, 29%
CMY	0.0000, 0.2706, 0.7058
CMYK	0.00, 0.27, 0.71, 0.00
HSL	37°, 100%, 65%
HSV	37°, 71%, 100%
XYZ	60.0797, 56.8858, 14.4712
YIQ	193.9770, 76.7550, -19.8930

Conversions

Conversions Part 2

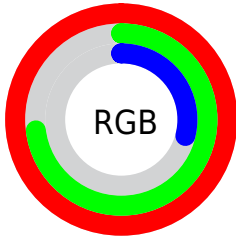
Format	Color
RYB	187, 255, 75
Decimal	16759371
CIELab	80.12, 14.82, 63.65
CIElCh	80, 65.353, 76.895
Yxy	56.8858, 0.4571, 0.4328
Android (android.graphics.Color)	4294949451 (0xFFFFBA4B)
YUV	193.9770, -58.6557, 53.5172
Hunter-Lab	75.4227, 10.1987, 41.4200

Details

The Yxy color **56.8858, 0.4571, 0.4328** 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 **28.6688, 0.1956, 0.1813**, and the grayscale version is **54.2501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3492, 0.3913, 0.4390**, and **28.2709, 0.4861, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **52.6200, 0.4778, 0.4382**, and if you desaturate by 10%, it is **61.5645, 0.4346, 0.4230**.

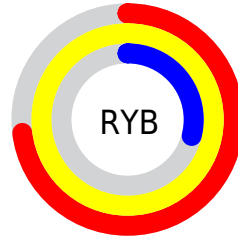
Distribution



Red (100%)

Green (73%)

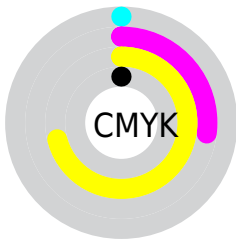
Blue (29%)



Red (73%)

Yellow (100%)

Blue (29%)

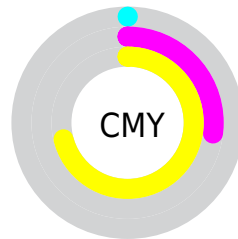


Cyan (0%)

Magenta (27%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8858, 0.4571, 0.4328 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 56.8858, 0.4571, 0.4328 by changing the saturation by 10% instead.


 56.8858, 0.4571,
0.4328


 56.8858, 0.4571,
0.4328


413.0213, 0.3915,
0.3899

 40.9136, 0.4705,
0.4402


 100.2985, 0.4354,
0.4197


 28.2515, 0.4858,
0.4477


 128.5078, 0.4265,
0.4140


 18.5154, 0.5029,
0.4545


 161.5649, 0.4188,
0.4089

 11.3206, 0.5235,
0.4608


 199.8542, 0.4120,
0.4043

 6.2829, 0.5411,
0.4589

 243.7601, 0.4060,
0.4001

 3.0179, 0.5553,
0.4447

293.6670, 0.4006,

 1.1411, 0.5794,

0.3964

0.4206

349.9592, 0.3958,
0.3930

0.0128, 0.9670,
0.0330

0.0000, 0.0000,
0.0000

56.8858, 0.4571,
0.4328

56.8858, 0.4571,
0.4328

52.6200, 0.4778,
0.4382

61.5645, 0.4346,
0.4230

48.7569, 0.4955,
0.4383

66.6896, 0.4115,
0.4098

45.4517, 0.5092,
0.4339

72.2751, 0.3889,
0.3945

78.3378, 0.3675,
0.3781

84.8932, 0.3477,
0.3615

91.9560, 0.3297,
0.3453

99.5402, 0.3136,
0.3299

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.



56.8858, 0.4812, 0.3724



56.8858, 0.4571, 0.4328



56.8858, 0.3953, 0.4788

Triad

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



56.8858, 0.4571, 0.4328



56.8858, 0.1883, 0.3237



56.8858, 0.2900, 0.2200

Complementary

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



56.8858, 0.4571, 0.4328



28.6688, 0.1956, 0.1813

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.



56.8858, 0.2204, 0.2027



56.8858, 0.4571, 0.4328



56.8858, 0.1687, 0.2499

Square

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



56.8858, 0.4571, 0.4328



56.8858, 0.2403, 0.4170



56.8858, 0.1798, 0.2110



56.8858, 0.3774, 0.2586

Rectangle

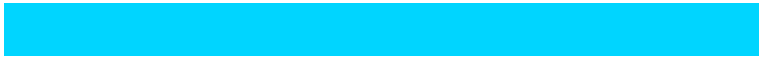
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.8858, 0.4571, 0.4328



56.8858, 0.3432, 0.4867



56.8858, 0.1798, 0.2110



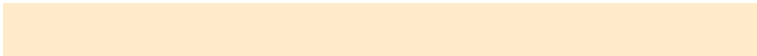
56.8858, 0.2639, 0.2116

Sweetspot

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



56.8814, 0.4571, 0.4328



84.6109, 0.3485, 0.3622



28.4002, 0.4542, 0.2631



17.7133, 0.3538, 0.3668



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.



56.8814, 0.4571, 0.4328



50.8667, 0.4860, 0.4389



90.0328, 0.3949, 0.4941



19.8523, 0.3279, 0.3436



24.0474, 0.5073, 0.4354



2.5529, 0.4945, 0.4455

Inverse Universe

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



28.6688, 0.1956, 0.1813



21.3980, 0.1781, 0.1481



14.5810, 0.1847, 0.1074



18.5194, 0.2979, 0.3139



8.5809, 0.1670, 0.1211



1.0390, 0.1732, 0.1435

Previews

White Background



This preview shows how the Yxy color 56.8858, 0.4571, 0.4328 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 56.8858, 0.4571, 0.4328 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 56.8858, 0.4571, 0.4328

Background



This preview shows how black text looks on a background with the Yxy color 56.8858, 0.4571, 0.4328.



This preview shows how white text looks on a background with the Yxy color 56.8858, 0.4571, 0.4328.

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

56.8858, 0.4571, 0.4328

Protanopia

56.9410, 0.4172, 0.4572

Deuteranopia

56.8461, 0.4494, 0.4394



Tritanopia

56.7749, 0.3712, 0.3177

Trichromacy



Original Color

56.8858, 0.4571, 0.4328

Protanomaly

56.6261, 0.4317, 0.4477

Deuteranomaly

56.9701, 0.4527, 0.4371

Tritanomaly

56.4459, 0.4068, 0.3638

Monochromacy



Original Color

56.8858, 0.4571, 0.4328

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.0949, 0.3659, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8858, 0.4571, 0.4328 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 75) }
```

Border

The CSS property to change the border of an element to Yxy 56.8858, 0.4571, 0.4328 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, 75) }
```

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

```
.border{ border-color:rgb(255, 186, 75) }
```

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, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8858, 0.4571, 0.4328 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, 75) }
```

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

```
.background{ background-color: rgb(255,  
186, 75) }
```

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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