

Converting Colors

$Y_{xy}(50.8839, 0.4425, 0.4327)$

Have a look what the booklet for
Yxy(50.8839, 0.4425, 0.4327)
contains.

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Color

Yxy(50.8839, 0.4425, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	EBB450
RGB	235, 180, 80
RGB Percent	92%, 71%, 31%
CMY	0.0784, 0.2941, 0.6861
CMYK	0.00, 0.23, 0.66, 0.08
HSL	39°, 80%, 62%
HSV	39°, 66%, 92%
XYZ	52.0363, 50.8839, 14.6760
YIQ	185.0450, 64.8800, -19.4400

Conversions

Conversions Part 2

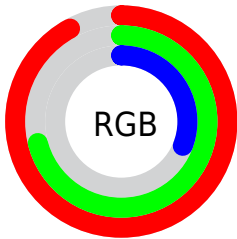
Format	Color
RYB	165, 235, 80
Decimal	15447120
CIELab	76.61, 9.86, 57.13
CIELCh	77, 57.970, 80.208
Yxy	50.8839, 0.4425, 0.4327
Android (android.graphics.Color)	4293637200 (0xFFEBB450)
YUV	185.0450, -51.7872, 43.8105
Hunter-Lab	71.3330, 5.3805, 37.7348

Details

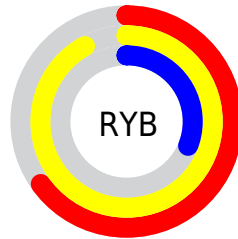
The Yxy color **50.8839, 0.4425, 0.4327** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **25.0529, 0.2013, 0.1869**, and the grayscale version is **48.8130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9444, 0.3918, 0.4306**, and **24.3629, 0.4704, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **47.3292, 0.4628, 0.4409**, and if you desaturate by 10%, it is **54.7679, 0.4208, 0.4206**.

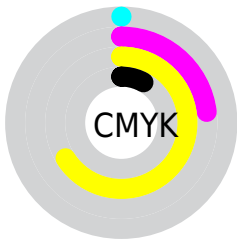
Distribution



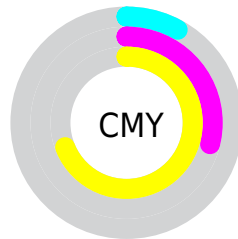
- Red (92%)
- Green (71%)
- Blue (31%)



- Red (65%)
- Yellow (92%)
- Blue (31%)



- Cyan (0%)
- Magenta (23%)
- Yellow (66%)
- Black (8%)





- Cyan (8%)
- Magenta (29%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8839, 0.4425, 0.4327 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 50.8839, 0.4425, 0.4327 by changing the saturation by 10% instead.

 50.8839, 0.4425,
0.4327


 50.8839, 0.4425,
0.4327

390.1125, 0.3819,
0.3870


 36.1162, 0.4554,
0.4414


 91.4831, 0.4220,
0.4180

 24.5240, 0.4703,
0.4508


 118.0835, 0.4138,
0.4119

 15.7228, 0.4873,
0.4604


 149.3968, 0.4067,
0.4065

 9.3282, 0.5082,
0.4706

 185.8076, 0.4005,
0.4017

 4.9559, 0.5265,
0.4735

 227.7001, 0.3950,
0.3974

 2.2214, 0.5381,
0.4619

275.4589, 0.3901,

 0.7316, 0.5622,

0.3936

0.4378

329.4682, 0.3857,
0.3901

0.0000, 0.0000,
0.0000

50.8839, 0.4425,
0.4327

50.8839, 0.4425,
0.4327

47.3292, 0.4628,
0.4409

54.7679, 0.4208,
0.4206

44.0795, 0.4807,
0.4443

58.9885, 0.3988,
0.4057


41.1171, 0.4953,
0.4424


63.5617, 0.3775,
0.3892

39.9853, 0.5007,
0.4407


68.4999, 0.3574,
0.3720

73.8146, 0.3388,
0.3549

 79.5167, 0.3219,
0.3384

 85.6165, 0.3068,
0.3228

 91.2541, 0.3006,
0.3208

 96.4055, 0.3005,
0.3290

Harmonies

Analogous

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



50.8839, 0.4684, 0.3775



50.8839, 0.4425, 0.4327



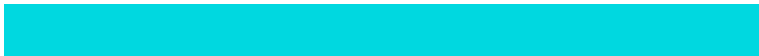
50.8839, 0.3830, 0.4703

Triad

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



50.8839, 0.4425, 0.4327



50.8839, 0.1935, 0.3160



50.8839, 0.3006, 0.2302

Complementary

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



50.8839, 0.4425, 0.4327



25.0529, 0.2013, 0.1869

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.



50.8839, 0.2330, 0.2116



50.8839, 0.4425, 0.4327



50.8839, 0.1779, 0.2508

Square

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



50.8839, 0.4425, 0.4327



50.8839, 0.2395, 0.4004



50.8839, 0.1914, 0.2170



50.8839, 0.3813, 0.2686

Rectangle

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



50.8839, 0.4425, 0.4327



50.8839, 0.3339, 0.4720



50.8839, 0.1914, 0.2170



50.8839, 0.2756, 0.2216

Sweetspot

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



50.8864, 0.4425, 0.4327



86.1260, 0.3463, 0.3620



25.2114, 0.4471, 0.2707



18.0496, 0.3516, 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.



50.8864, 0.4425, 0.4327



55.5862, 0.4693, 0.4427



74.3576, 0.3876, 0.4886



16.6749, 0.3277, 0.3442



22.4988, 0.4990, 0.4420



1.9469, 0.4851, 0.4530

Inverse Universe

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



25.0529, 0.2013, 0.1869



22.6776, 0.1828, 0.1541



14.4926, 0.1968, 0.1229



15.4240, 0.2980, 0.3134



7.0367, 0.1650, 0.1139



0.7283, 0.1727, 0.1415

Previews

White Background



This preview shows how the Yxy color 50.8839, 0.4425, 0.4327 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 50.8839, 0.4425, 0.4327 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 50.8839, 0.4425, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 50.8839, 0.4425, 0.4327.



This preview shows how white text looks on a background with the Yxy color 50.8839, 0.4425, 0.4327.

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

50.8839, 0.4425, 0.4327

Protanopia

51.1531, 0.4108, 0.4514

Deuteranopia

50.8839, 0.4425, 0.4327



Tritanopia

50.8080, 0.3694, 0.3149

Trichromacy



Original Color

50.8839, 0.4425, 0.4327

Protanomaly

50.7871, 0.4224, 0.4442

Deuteranomaly

50.8839, 0.4425, 0.4327

Tritanomaly

50.4567, 0.3999, 0.3603

Monochromacy



Original Color

50.8839, 0.4425, 0.4327

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6701, 0.3601, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8839, 0.4425, 0.4327 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(235, 180, 80)` looks like.

```
.text, #text, p{  
    color:rgb(235, 180, 80)  
}
```

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(235, 180, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 180, 80) }
```

Border

The CSS property to change the border of an element to Yxy 50.8839, 0.4425, 0.4327 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(235, 180, 80) }
```

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

```
.border{ border-color:rgb(235, 180, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 180, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 180, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 180, 80);  
box-shadow:4px 4px 4px 4px rgb(235, 180,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8839, 0.4425, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 180, 80) }
```

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

```
.background{ background-color: rgb(235,  
180, 80) }
```

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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