

Converting Colors

$Y_{xy}(50.6059, 0.4305, 0.4349)$

Have a look what the booklet for
Yxy(50.6059, 0.4305, 0.4349)
contains.

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Color

Yxy(50.4427, 0.4308, 0.4342)

Conversions

Conversions Part 1

Format	Color
Hex	E3B655
RGB	227, 182, 85
RGB Percent	89%, 71%, 33%
CMY	0.1098, 0.2863, 0.6668
CMYK	0.00, 0.20, 0.63, 0.11
HSL	41°, 72%, 61%
HSV	41°, 63%, 89%
XYZ	50.0477, 50.4427, 15.6835
YIQ	184.3970, 57.9570, -20.6270

Conversions

Conversions Part 2

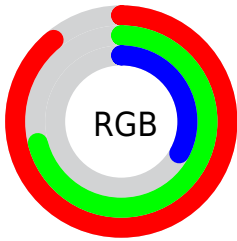
Format	Color
RYB	151, 227, 85
Decimal	14923349
CIELab	76.34, 5.74, 54.37
CIELCh	76, 54.670, 83.976
Yxy	50.4427, 0.4308, 0.4342
Android (android.graphics.Color)	4293113429 (0xFFE3B655)
YUV	184.3970, -49.0027, 37.3628
Hunter-Lab	71.0230, 1.4931, 36.6236

Details

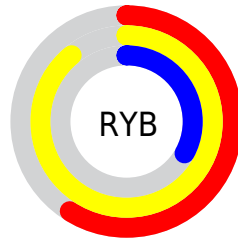
The Yxy color **50.4427, 0.4308, 0.4342** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **23.4323, 0.2049, 0.1876**, and the grayscale version is **48.4160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2440, 0.3880, 0.4278**, and **24.1296, 0.4566, 0.4541** is the 20% darker color. If you saturate the color by 10%, you get **47.2696, 0.4501, 0.4446**, and if you desaturate by 10%, it is **53.8877, 0.4103, 0.4203**.

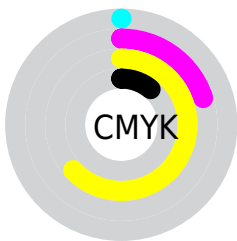
Distribution



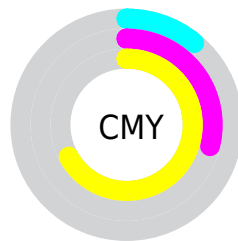
- Red (89%)
- Green (71%)
- Blue (33%)



- Red (59%)
- Yellow (89%)
- Blue (33%)



- Cyan (0%)
- Magenta (20%)
- Yellow (63%)
- Black (11%)




- Cyan (11%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4427, 0.4308, 0.4342 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 50.4427, 0.4308, 0.4342 by changing the saturation by 10% instead.


 50.4427, 0.4308,
0.4342

 50.4427, 0.4308,
0.4342


388.3947, 0.3754,
0.3865

 35.7653, 0.4426,
0.4438


 90.8305, 0.4120,
0.4184


 24.2530, 0.4565,
0.4547


 117.3096, 0.4045,
0.4120

 15.5214, 0.4723,
0.4664


 148.4914, 0.3980,
0.4064

 9.1861, 0.4908,
0.4789

 184.7603, 0.3924,
0.4014

 4.8628, 0.5105,
0.4895

 226.5007, 0.3874,
0.3970

 2.1670, 0.5175,
0.4825

274.0969, 0.3829,

 0.7019, 0.5349,

0.3931

0.4651

327.9335, 0.3790,
0.3896

0.0000, 0.0000,
0.0000

50.4427, 0.4308,
0.4342

50.4427, 0.4308,
0.4342

47.2696, 0.4501,
0.4446

53.8877, 0.4103,
0.4203

44.3473, 0.4672,
0.4505

57.6095, 0.3896,
0.4040

41.6620, 0.4813,
0.4513

61.6216, 0.3695,
0.3863

39.8038, 0.4900,
0.4492

65.9343, 0.3504,
0.3683

70.5569, 0.3327,
0.3504

■ 75.4987, 0.3166,
0.3333

■ 80.7680, 0.3021,
0.3171

■ 85.6053, 0.2956,
0.3133

■ 89.9139, 0.2957,
0.3206

Harmonies

Analogous

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



50.4427, 0.4597, 0.3831



50.4427, 0.4308, 0.4342



50.4427, 0.3718, 0.4647

Triad

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



50.4427, 0.4308, 0.4342



50.4427, 0.1958, 0.3080



50.4427, 0.3108, 0.2384

Complementary

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



50.4427, 0.4308, 0.4342



23.4323, 0.2049, 0.1876

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.



50.4427, 0.2438, 0.2180



50.4427, 0.4308, 0.4342



50.4427, 0.1841, 0.2494

Square

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



50.4427, 0.4308, 0.4342



50.4427, 0.2365, 0.3865



50.4427, 0.2005, 0.2203



50.4427, 0.3870, 0.2773

Rectangle

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



50.4427, 0.4308, 0.4342



50.4427, 0.3245, 0.4612



50.4427, 0.2005, 0.2203



50.4427, 0.2864, 0.2293

Sweetspot

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



50.4451, 0.4308, 0.4342



87.8567, 0.3441, 0.3621



24.4975, 0.4434, 0.2777



18.4417, 0.3493, 0.3672



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.



50.4451, 0.4308, 0.4342



60.3908, 0.4553, 0.4468



68.3437, 0.3815, 0.4843



16.0065, 0.3275, 0.3450



23.4294, 0.4886, 0.4502



1.8965, 0.4760, 0.4602

Inverse Universe

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



23.4323, 0.2049, 0.1876



22.8039, 0.1854, 0.1543



15.2650, 0.2068, 0.1350



14.6287, 0.2981, 0.3125



6.1171, 0.1623, 0.1042



0.6143, 0.1704, 0.1333

Previews

White Background



This preview shows how the Yxy color 50.4427, 0.4308, 0.4342 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 Xy color 50.4427, 0.4308, 0.4342 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 50.4427, 0.4308, 0.4342

Background



This preview shows how black text looks on a background with the Yxy color 50.4427, 0.4308, 0.4342.



This preview shows how white text looks on a background with the Yxy color 50.4427, 0.4308, 0.4342.

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

50.4427, 0.4308, 0.4342

Protanopia

50.6386, 0.4082, 0.4473

Deuteranopia

50.2357, 0.4377, 0.4278



Tritanopia

50.2487, 0.3598, 0.3146

Trichromacy



Original Color

50.4427, 0.4308, 0.4342

Protanomaly

50.3886, 0.4173, 0.4421

Deuteranomaly

50.3033, 0.4352, 0.4296

Tritanomaly

49.9539, 0.3889, 0.3601

Monochromacy



Original Color

50.4427, 0.4308, 0.4342

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.2845, 0.3565, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4427, 0.4308, 0.4342 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(227, 182, 85)` looks like.

```
.text, #text, p{  
    color:rgb(227, 182, 85)  
}
```

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(227, 182, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 182, 85) }
```

Border

The CSS property to change the border of an element to Yxy 50.4427, 0.4308, 0.4342 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(227, 182, 85) }
```

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

```
.border{ border-color:rgb(227, 182, 85) }
```

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

Here you see how a box with a 4 pixel rgb(227, 182, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 182, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 182, 85);  
box-shadow:4px 4px 4px 4px rgb(227, 182,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4427, 0.4308, 0.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 182, 85) }
```

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

```
.background{ background-color: rgb(227,  
182, 85) }
```

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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