

Converting Colors

$Y_{xy}(54.1881, 0.4452, 0.4545)$

Have a look what the booklet for
Yxy(54.1881, 0.4452, 0.4545)
contains.

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Color

Yxy(54.3836, 0.4454, 0.4546)

Conversions

Conversions Part 1

Format	Color
Hex	EBBD3C
RGB	235, 189, 60
RGB Percent	92%, 74%, 24%
CMY	0.0783, 0.2589, 0.7647
CMYK	0.00, 0.20, 0.74, 0.08
HSL	44°, 81%, 58%
HSV	44°, 74%, 92%
XYZ	53.2830, 54.3836, 11.9630
YIQ	188.0480, 68.8250, -30.3670

Conversions

Conversions Part 2

Format	Color
RYB	122, 235, 60
Decimal	15449404
CIELab	78.68, 4.15, 67.46
CIELCh	79, 67.587, 86.479
Yxy	54.3836, 0.4454, 0.4546
Android (android.graphics.Color)	4293639484 (0xFFEBBD3C)
YUV	188.0480, -63.1277, 41.1769
Hunter-Lab	73.7452, -0.0829, 42.0036

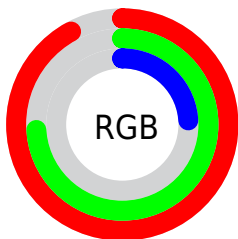
Details

The Yxy color **54.3836, 0.4454, 0.4546** is a light color, and the websafe version is hex **FFCC33**.

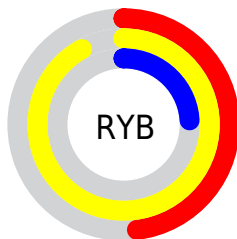
The color can be described as light washed orange. A complement of this color would be **17.2777, 0.1834, 0.1439**, and the grayscale version is **50.6574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8258, 0.3966, 0.4520**, and **26.7223, 0.4649, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **51.5871, 0.4596, 0.4605**, and if you desaturate by 10%, it is **57.4091, 0.4286, 0.4441**.

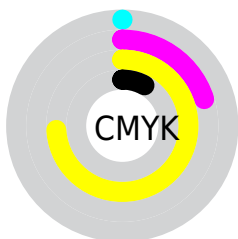
Distribution



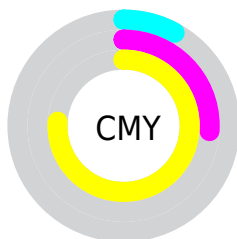
- Red (92%)
- Green (74%)
- Blue (24%)



- Red (48%)
- Yellow (92%)
- Blue (24%)



- Cyan (0%)
- Magenta (20%)
- Yellow (74%)
- Black (8%)





- Cyan (8%)
- Magenta (26%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.3836, 0.4454, 0.4546 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 54.3836, 0.4454, 0.4546 by changing the saturation by 10% instead.


 54.3836, 0.4454,
0.4546


 54.3836, 0.4454,
0.4546


403.5711, 0.3864,
0.4002

 38.9084, 0.4567,
0.4645


 96.6372, 0.4263,
0.4374


 26.6885, 0.4692,
0.4750


 124.1845, 0.4184,
0.4302


 17.3394, 0.4821,
0.4853


 156.5246, 0.4115,
0.4238

 10.4768, 0.5004,
0.4996

 194.0419, 0.4053,
0.4180

 5.7162, 0.5033,
0.4967

 237.1208, 0.3998,
0.4128

 2.6733, 0.5078,
0.4922

286.1457, 0.3948,

 0.9636, 0.5160,

0.4082

0.4840

341.5010, 0.3904,
0.4040

0.0000, 0.0000,
0.0000

54.3836, 0.4454,
0.4546

54.3836, 0.4454,
0.4546

51.5871, 0.4596,
0.4605

57.4091, 0.4286,
0.4441

48.9943, 0.4708,
0.4614


60.6700, 0.4102,
0.4299

47.6357, 0.4760,
0.4603

64.1815, 0.3910,
0.4129


67.9547, 0.3718,
0.3943

72.0000, 0.3532,
0.3750

 76.3269, 0.3357,
0.3557

 80.9443, 0.3195,
0.3371

 85.8607, 0.3047,
0.3193

 89.9731, 0.3006,
0.3187

Harmonies

Analogous

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



54.3836, 0.4862, 0.3935



54.3836, 0.4454, 0.4546



54.3836, 0.3726, 0.4934

Triad

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



54.3836, 0.4454, 0.4546



54.3836, 0.1729, 0.2943



54.3836, 0.3169, 0.2262

Complementary

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



54.3836, 0.4454, 0.4546



17.2777, 0.1834, 0.1439

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.



54.3836, 0.2363, 0.2008



54.3836, 0.4454, 0.4546



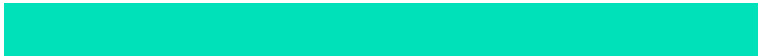
54.3836, 0.1634, 0.2292

Square

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



54.3836, 0.4454, 0.4546



54.3836, 0.2159, 0.3905



54.3836, 0.1845, 0.2002



54.3836, 0.4089, 0.2719

Rectangle

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



54.3836, 0.4454, 0.4546



54.3836, 0.3166, 0.4889



54.3836, 0.1845, 0.2002



54.3836, 0.2875, 0.2152

Sweetspot

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



54.3863, 0.4454, 0.4546



87.8421, 0.3490, 0.3704



21.9546, 0.5035, 0.2870



18.5063, 0.3539, 0.3756



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.



54.3863, 0.4454, 0.4546



60.5090, 0.4655, 0.4615



71.2584, 0.3792, 0.5114



16.9175, 0.3274, 0.3463



26.7213, 0.4748, 0.4612



2.2535, 0.4654, 0.4686

Inverse Universe

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



17.2777, 0.1834, 0.1439



14.4060, 0.1659, 0.1086



11.9894, 0.1931, 0.1054



15.1933, 0.2980, 0.3111



5.4217, 0.1588, 0.0917



0.5785, 0.1662, 0.1182

Previews

White Background



This preview shows how the Yxy color 54.3836, 0.4454, 0.4546 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 54.3836, 0.4454, 0.4546 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 54.3836, 0.4454, 0.4546

Background



This preview shows how black text looks on a background with the Yxy color 54.3836, 0.4454, 0.4546.



This preview shows how white text looks on a background with the Yxy color 54.3836, 0.4454, 0.4546.

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

54.3836, 0.4454, 0.4546

Protanopia

54.2834, 0.4249, 0.4679

Deuteranopia

54.2679, 0.4559, 0.4458



Tritanopia

54.3951, 0.3610, 0.3151

Trichromacy



Original Color

54.3836, 0.4454, 0.4546

Protanomaly

54.3241, 0.4322, 0.4635

Deuteranomaly

54.1555, 0.4526, 0.4482

Tritanomaly

53.7317, 0.3989, 0.3711

Monochromacy



Original Color

54.3836, 0.4454, 0.4546

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.8687, 0.3653, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3836, 0.4454, 0.4546 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, 189, 60)` looks like.

```
.text, #text, p{  
    color:rgb(235, 189, 60)  
}
```

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, 189, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 189, 60) }
```

Border

The CSS property to change the border of an element to Yxy 54.3836, 0.4454, 0.4546 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, 189, 60) }
```

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

```
.border{ border-color:rgb(235, 189, 60) }
```

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

Here you see how a box with a 4 pixel rgb(235, 189, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 189, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 189, 60);  
box-shadow:4px 4px 4px 4px rgb(235, 189,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3836, 0.4454, 0.4546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 189, 60) }
```

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

```
.background{ background-color: rgb(235,  
189, 60) }
```

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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