

Converting Colors

$Y_{xy}(51.2220, 0.4566, 0.4557)$

Have a look what the booklet for
Yxy(51.2220, 0.4566, 0.4557)
contains.

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Color

Yxy(51.1536, 0.4561, 0.4559)

Conversions

Conversions Part 1

Format	Color
Hex	EAB62F
RGB	234, 182, 47
RGB Percent	92%, 71%, 18%
CMY	0.0823, 0.2863, 0.8154
CMYK	0.00, 0.22, 0.80, 0.08
HSL	43°, 82%, 55%
HSV	43°, 80%, 92%
XYZ	51.1760, 51.1536, 9.8739
YIQ	182.1580, 74.3270, -30.9610

Conversions

Conversions Part 2

Format	Color
R _Y B	119, 234, 47
Decimal	15382063
CIE Lab	76.77, 6.89, 70.10
CIE LCh	77, 70.435, 84.388
Yxy	51.1536, 0.4561, 0.4559
Android (android.graphics.Color)	4293572143 (0xFFEAB62F)
YUV	182.1580, -66.6329, 45.4654
Hunter-Lab	71.5217, 2.5593, 41.8800

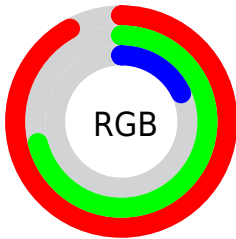
Details

The Yxy color **51.1536, 0.4561, 0.4559** 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 **15.4879, 0.1771, 0.1338**, and the grayscale version is **47.2161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4085, 0.4061, 0.4558**, and **24.9639, 0.4721, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **48.4097, 0.4693, 0.4588**, and if you desaturate by 10%, it is **54.1276, 0.4400, 0.4481**.

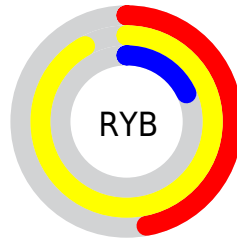
Distribution



Red (92%)

Green (71%)

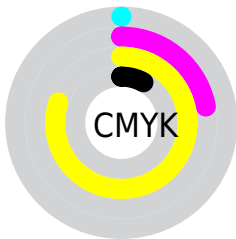
Blue (18%)



Red (47%)

Yellow (92%)

Blue (18%)

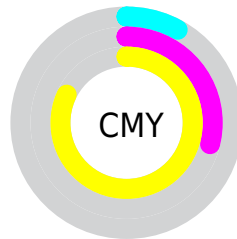


Cyan (0%)

Magenta (22%)

Yellow (80%)

Black (8%)



Cyan (8%)


Magenta (29%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1536, 0.4561, 0.4559 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 51.1536, 0.4561, 0.4559 by changing the saturation by 10% instead.


 51.1536, 0.4561,
0.4559


 51.1536, 0.4561,
0.4559


391.1603, 0.3922,
0.4020


 36.3309, 0.4682,
0.4651


 91.8818, 0.4356,
0.4393

 24.6898, 0.4812,
0.4744


 118.5560, 0.4270,
0.4322

 15.8461, 0.4948,
0.4828


 149.9495, 0.4194,
0.4257

 9.4153, 0.5097,
0.4903

 186.4467, 0.4127,
0.4200

 5.0131, 0.5148,
0.4852

 228.4320, 0.4067,
0.4148

 2.2549, 0.5230,
0.4770

 276.2898, 0.4014,

 0.7497, 0.5403,

0.4101

0.4597

330.4044, 0.3966,
0.4059

■ 0.0000, 0.0000,
0.0000

■ 51.1536, 0.4561,
0.4559

■ 51.1536, 0.4561,
0.4559

■ 48.4097, 0.4693,
0.4588

■ 54.1276, 0.4400,
0.4481

■ 45.8630, 0.4797,
0.4572


■ 57.3401, 0.4218,
0.4360

■ 45.8332, 0.4798,
0.4572

■ 60.8071, 0.4024,
0.4206

■ 64.5405, 0.3827,
0.4031

■ 68.5514, 0.3635,
0.3843

 72.8496, 0.3452,
0.3653

 77.4447, 0.3281,
0.3467

 82.3454, 0.3125,
0.3288

 87.3857, 0.2999,
0.3146

Harmonies

Analogous

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



51.1536, 0.4972, 0.3903



51.1536, 0.4561, 0.4559



51.1536, 0.3805, 0.5021

Triad

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



51.1536, 0.4561, 0.4559



51.1536, 0.1674, 0.2976



51.1536, 0.3101, 0.2184

Complementary

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



51.1536, 0.4561, 0.4559



15.4879, 0.1771, 0.1338

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.



51.1536, 0.2270, 0.1935



51.1536, 0.4561, 0.4559



51.1536, 0.1556, 0.2266

Square

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



51.1536, 0.4561, 0.4559



51.1536, 0.2143, 0.4020



51.1536, 0.1755, 0.1945



51.1536, 0.4084, 0.2646

Rectangle

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



51.1536, 0.4561, 0.4559



51.1536, 0.3218, 0.5022



51.1536, 0.1755, 0.1945



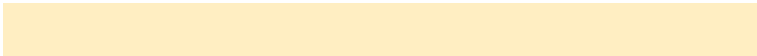
51.1536, 0.2794, 0.2074

Sweetspot

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



51.1561, 0.4561, 0.4559



86.2794, 0.3528, 0.3734



20.4544, 0.5192, 0.2850



18.0699, 0.3594, 0.3802



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.



51.1561, 0.4561, 0.4559



56.7771, 0.4763, 0.4580



70.4601, 0.3826, 0.5178



16.8773, 0.3275, 0.3459



25.9761, 0.4787, 0.4581



2.2001, 0.4686, 0.4662

Inverse Universe

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



15.4879, 0.1771, 0.1338



12.7785, 0.1614, 0.0985



10.0351, 0.1828, 0.0924



15.2311, 0.2980, 0.3115



5.6514, 0.1597, 0.0950



0.6009, 0.1672, 0.1218

Previews

White Background



This preview shows how the Yxy color 51.1536, 0.4561, 0.4559 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 51.1536, 0.4561, 0.4559 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 51.1536, 0.4561, 0.4559

Background



This preview shows how black text looks on a background with the Yxy color 51.1536, 0.4561, 0.4559.



This preview shows how white text looks on a background with the Yxy color 51.1536, 0.4561, 0.4559.

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

51.1536, 0.4561, 0.4559

Protanopia

51.1948, 0.4299, 0.4743

Deuteranopia

51.2066, 0.4618, 0.4509



Tritanopia

51.2230, 0.3682, 0.3150

Trichromacy



Original Color

51.1536, 0.4561, 0.4559

Protanomaly

51.1262, 0.4400, 0.4674

Deuteranomaly

51.2657, 0.4592, 0.4529

Tritanomaly

50.5186, 0.4093, 0.3734

Monochromacy



Original Color

51.1536, 0.4561, 0.4559

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5669, 0.3704, 0.3911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1536, 0.4561, 0.4559 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(234, 182, 47)` looks like.

```
.text, #text, p{  
    color:rgb(234, 182, 47)  
}
```

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(234, 182, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 182, 47) }
```

Border

The CSS property to change the border of an element to Yxy 51.1536, 0.4561, 0.4559 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(234, 182, 47) }
```

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

```
.border{ border-color:rgb(234, 182, 47) }
```

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

Here you see how a box with a 4 pixel rgb(234, 182, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 182, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 182, 47);  
box-shadow:4px 4px 4px 4px rgb(234, 182,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1536, 0.4561, 0.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 182, 47) }
```

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

```
.background{ background-color: rgb(234,  
182, 47) }
```

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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