

Converting Colors

$Yxy(55.4812, 0.4358, 0.4499)$

Have a look what the booklet for
Yxy(55.4812, 0.4358, 0.4499)
contains.

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Color

Yxy(55.5040, 0.4350, 0.4500)

Conversions

Conversions Part 1

Format	Color
Hex	E9C049
RGB	233, 192, 73
RGB Percent	91%, 75%, 29%
CMY	0.0863, 0.2470, 0.7138
CMYK	0.00, 0.18, 0.69, 0.09
HSL	45°, 78%, 60%
HSV	45°, 69%, 91%
XYZ	53.6539, 55.5040, 14.1844
YIQ	190.6930, 62.6350, -28.3170

Conversions

Conversions Part 2

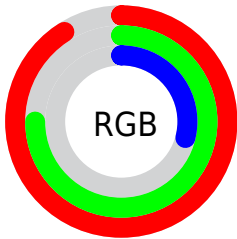
Format	Color
RYB	128, 233, 73
Decimal	15319113
CIELab	79.33, 2.32, 62.98
CIElCh	79, 63.020, 87.889
Yxy	55.5040, 0.4350, 0.4500
Android (android.graphics.Color)	4293509193 (0xFFE9C049)
YUV	190.6930, -58.0226, 37.1032
Hunter-Lab	74.5010, -1.8253, 40.8624

Details

The Yxy color **55.5040, 0.4350, 0.4500** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **19.3237, 0.1918, 0.1579**, and the grayscale version is **52.2283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9271, 0.3896, 0.4455**, and **27.3648, 0.4573, 0.4722** is the 20% darker color. If you saturate the color by 10%, you get **52.6857, 0.4505, 0.4587**, and if you desaturate by 10%, it is **58.5496, 0.4174, 0.4371**.

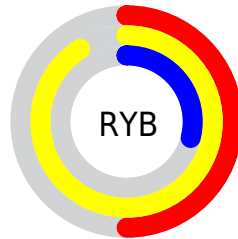
Distribution



Red (91%)

Green (75%)

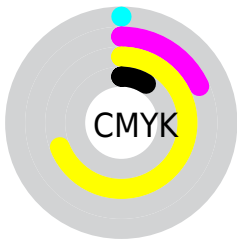
Blue (29%)



Red (50%)

Yellow (91%)

Blue (29%)

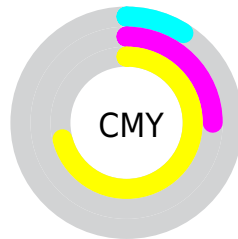


Cyan (0%)

Magenta (18%)

Yellow (69%)

Black (9%)



Cyan (9%)

Magenta (25%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5040, 0.4350, 0.4500 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 55.5040, 0.4350, 0.4500 by changing the saturation by 10% instead.


 55.5040, 0.4350,
0.4500

 55.5040, 0.4350,
0.4500

407.8196, 0.3801,
0.3965


 39.8054, 0.4459,
0.4603


 98.2790, 0.4170,
0.4327


 27.3868, 0.4581,
0.4717

 126.1242, 0.4097,
0.4255


 17.8640, 0.4712,
0.4837


 158.7870, 0.4032,
0.4192

 10.8524, 0.4869,
0.4976

 196.6519, 0.3975,
0.4136

 5.9676, 0.4962,
0.5038

 240.1032, 0.3924,
0.4086

 2.8254, 0.4986,
0.5014

289.5253, 0.3878,

 1.0413, 0.5031,

0.4041

0.4969

345.3026, 0.3838,
0.4001

0.0000, 0.0000,
0.0000

55.5040, 0.4350,
0.4500

55.5040, 0.4350,
0.4500

52.6857, 0.4505,
0.4587

58.5496, 0.4174,
0.4371

50.0717, 0.4632,
0.4627

61.8273, 0.3987,
0.4210

47.6431, 0.4729,
0.4620

65.3511, 0.3795,
0.4028

47.3321, 0.4741,
0.4617

69.1314, 0.3608,
0.3836

73.1776, 0.3429,
0.3641

■ 77.4987, 0.3261,
0.3449

■ 82.1030, 0.3108,
0.3266

■ 86.7136, 0.2993,
0.3137

■ 90.2801, 0.2993,
0.3197

Harmonies

Analogous

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



55.5040, 0.4738, 0.3941



55.5040, 0.4350, 0.4500



55.5040, 0.3664, 0.4820

Triad

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



55.5040, 0.4350, 0.4500



55.5040, 0.1806, 0.2941



55.5040, 0.3211, 0.2342

Complementary

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



55.5040, 0.4350, 0.4500



19.3237, 0.1918, 0.1579

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.



55.5040, 0.2446, 0.2091



55.5040, 0.4350, 0.4500



55.5040, 0.1726, 0.2343

Square

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



55.5040, 0.4350, 0.4500



55.5040, 0.2202, 0.3816



55.5040, 0.1940, 0.2077



55.5040, 0.4057, 0.2783

Rectangle

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



55.5040, 0.4350, 0.4500



55.5040, 0.3138, 0.4744



55.5040, 0.1940, 0.2077



55.5040, 0.2934, 0.2234

Sweetspot

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



55.5067, 0.4350, 0.4500



88.5779, 0.3471, 0.3688



23.3371, 0.4811, 0.2870



18.6620, 0.3521, 0.3742



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.



55.5067, 0.4350, 0.4500



63.4387, 0.4556, 0.4608



70.4431, 0.3772, 0.5012



16.9359, 0.3274, 0.3464



27.0690, 0.4731, 0.4625



2.2784, 0.4640, 0.4698

Inverse Universe

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



19.3237, 0.1918, 0.1579



16.8082, 0.1727, 0.1226



13.9801, 0.2029, 0.1204



15.1760, 0.2980, 0.3109



5.3212, 0.1584, 0.0903



0.5686, 0.1657, 0.1165

Previews

White Background



This preview shows how the Yxy color 55.5040, 0.4350, 0.4500 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 55.5040, 0.4350, 0.4500 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 55.5040, 0.4350, 0.4500

Background



This preview shows how black text looks on a background with the Yxy color 55.5040, 0.4350, 0.4500.



This preview shows how white text looks on a background with the Yxy color 55.5040, 0.4350, 0.4500.

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

55.5040, 0.4350, 0.4500

Protanopia

55.6426, 0.4195, 0.4602

Deuteranopia

55.4611, 0.4481, 0.4383



Tritanopia

55.4148, 0.3551, 0.3139

Trichromacy



Original Color

55.5040, 0.4350, 0.4500

Protanomaly

55.5322, 0.4253, 0.4559

Deuteranomaly

55.5904, 0.4436, 0.4427

Tritanomaly

54.8337, 0.3897, 0.3669

Monochromacy



Original Color

55.5040, 0.4350, 0.4500

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.5215, 0.3595, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5040, 0.4350, 0.4500 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(233, 192, 73)` looks like.

```
.text, #text, p{  
    color:rgb(233, 192, 73)  
}
```

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(233, 192, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 192, 73) }
```

Border

The CSS property to change the border of an element to Yxy 55.5040, 0.4350, 0.4500 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(233, 192, 73) }
```

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

```
.border{ border-color:rgb(233, 192, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 192, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 192, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 192, 73);  
box-shadow:4px 4px 4px 4px rgb(233, 192,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5040, 0.4350, 0.4500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 192, 73) }
```

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

```
.background{ background-color: rgb(233,  
192, 73) }
```

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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