

Converting Colors

$Yxy(55.8006, 0.4489, 0.4817)$

Have a look what the booklet for
Yxy(55.8006, 0.4489, 0.4817)
contains.

Yxy(55.6882, 0.4486, 0.4820)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.6882, 0.4486, 0.4820)

Conversions

Conversions Part 1

Format	Color
Hex	E5C300
RGB	229, 195, 0
RGB Percent	90%, 76%, 0%
CMY	0.1019, 0.2353, 0.9998
CMYK	0.00, 0.15, 1.00, 0.10
HSL	51°, 100%, 45%
HSV	51°, 100%, 90%
XYZ	51.8293, 55.6882, 8.0182
YIQ	182.9360, 82.8590, -53.4370

Conversions

Conversions Part 2

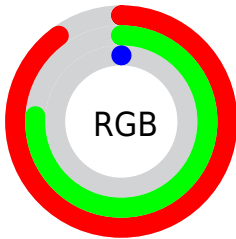
Format	Color
RYB	40, 229, 0
Decimal	15057664
CIELab	79.44, -2.87, 80.71
CIELCh	79, 80.765, 92.037
Yxy	55.6882, 0.4486, 0.4820
Android (android.graphics.Color)	4293247744 (0xFFE5C300)
YUV	182.9360, -90.1874, 40.3981
Hunter-Lab	74.6245, -6.6185, 45.8666

Details

The Yxy color **55.6882, 0.4486, 0.4820** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **6.8049, 0.1530, 0.0707**, and the grayscale version is **47.7926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8945, 0.4069, 0.4782**, and **27.6708, 0.4493, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **55.6870, 0.4486, 0.4820**, and if you desaturate by 10%, it is **57.2939, 0.4428, 0.4809**.

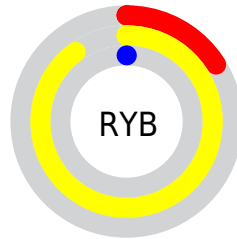
Distribution



Red (90%)

Green (76%)

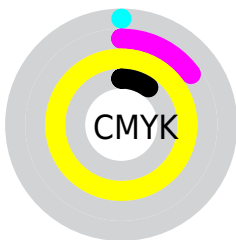
Blue (0%)



Red (16%)

Yellow (90%)

Blue (0%)

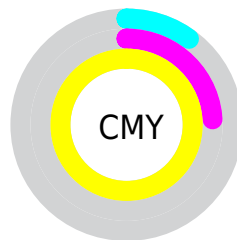


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6882, 0.4486, 0.4820 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 55.6882, 0.4486, 0.4820 by changing the saturation by 10% instead.


 55.6882, 0.4486,
0.4820

 55.6882, 0.4486,
0.4820


408.5154, 0.3926,
0.4175


 39.9530, 0.4576,
0.4929


 98.5485, 0.4319,
0.4624

 27.5019, 0.4663,
0.5038

 126.4425, 0.4245,
0.4538


 17.9505, 0.4753,
0.5156


 159.1581, 0.4178,
0.4461

 10.9145, 0.4782,
0.5218

 197.0798, 0.4117,
0.4392

 6.0093, 0.4762,
0.5238

 240.5920, 0.4062,
0.4329

 2.8508, 0.4731,
0.5269

 290.0790, 0.4012,

 1.0543, 0.4674,

0.4273

0.5326

345.9254, 0.3967,
0.4222

■ 0.0000, 0.0000,
0.0000

■ 55.6882, 0.4486,
0.4820

■ 55.6882, 0.4486,
0.4820

■ 55.6870, 0.4486,
0.4820

■ 57.2939, 0.4428,
0.4809

■ 59.0047, 0.4345,
0.4758

■ 60.8468, 0.4234,
0.4661

■ 62.8338, 0.4098,
0.4522

■ 64.9772, 0.3944,
0.4348

■ 67.2872, 0.3778,
0.4150

■ 69.7729, 0.3609,
0.3936

■ 72.4425, 0.3441,
0.3717

■ 75.3039, 0.3279,
0.3500

Harmonies

Analogous

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



55.6882, 0.5082, 0.4105



55.6882, 0.4486, 0.4820



55.6882, 0.3596, 0.5263

Triad

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



55.6882, 0.4486, 0.4820



55.6882, 0.1476, 0.2681



55.6882, 0.3366, 0.2192

Complementary

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



55.6882, 0.4486, 0.4820



6.8049, 0.1530, 0.0707

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.



55.6882, 0.2382, 0.1862



55.6882, 0.4486, 0.4820



55.6882, 0.1446, 0.2033

Square

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



55.6882, 0.4486, 0.4820



55.6882, 0.1869, 0.3787



55.6882, 0.1740, 0.1793



55.6882, 0.4445, 0.2732

Rectangle

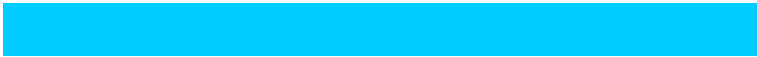
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.6882, 0.4486, 0.4820



55.6882, 0.2952, 0.5143



55.6882, 0.1740, 0.1793



55.6882, 0.3008, 0.2055

Sweetspot

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



55.6909, 0.4486, 0.4820



88.9792, 0.3612, 0.3941



16.7776, 0.6217, 0.3199



18.7517, 0.3684, 0.4032



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.



55.6909, 0.4486, 0.4820



70.9540, 0.4488, 0.4818



62.4181, 0.3583, 0.5537



16.4332, 0.3271, 0.3488



31.9783, 0.4481, 0.4824



2.4627, 0.4432, 0.4863

Inverse Universe

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



6.8049, 0.1530, 0.0707



8.5978, 0.1528, 0.0701



7.3722, 0.1756, 0.0741



14.2308, 0.2980, 0.3083



3.9959, 0.1535, 0.0724



0.4034, 0.1597, 0.0948

Previews

White Background



This preview shows how the Yxy color 55.6882, 0.4486, 0.4820 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 55.6882, 0.4486, 0.4820 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 55.6882, 0.4486, 0.4820

Background



This preview shows how black text looks on a background with the Yxy color 55.6882, 0.4486, 0.4820.



This preview shows how white text looks on a background with the Yxy color 55.6882, 0.4486, 0.4820.

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

55.6882, 0.4486, 0.4820

Protanopia

55.9331, 0.4393, 0.4879

Deuteranopia

55.7383, 0.4700, 0.4598



Tritanopia

55.5131, 0.3523, 0.3138

Trichromacy



Original Color

55.6882, 0.4486, 0.4820

Protanomaly

55.9488, 0.4430, 0.4856

Deuteranomaly

55.7359, 0.4627, 0.4679

Tritanomaly

54.4059, 0.4077, 0.3976

Monochromacy



Original Color

55.6882, 0.4486, 0.4820

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

49.0810, 0.3809, 0.4178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6882, 0.4486, 0.4820 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(229, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 195, 0)  
}
```

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(229, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 195, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.6882, 0.4486, 0.4820 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(229, 195, 0) }
```

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

```
.border{ border-color:rgb(229, 195, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 195, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 195,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6882, 0.4486, 0.4820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 195, 0) }
```

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

```
.background{ background-color: rgb(229,  
195, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor