

Converting Colors

Yxy(68.7809, 0.4317, 0.4955)

Have a look what the booklet for
Yxy(68.7809, 0.4317, 0.4955)
contains.

Yxy(68.8486, 0.4311, 0.4959)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.8486, 0.4311, 0.4959)

Conversions

Conversions Part 1

Format	Color
Hex	EBDC00
RGB	235, 220, 0
RGB Percent	92%, 86%, 0%
CMY	0.0785, 0.1372, 0.9998
CMYK	0.00, 0.06, 1.00, 0.08
HSL	56°, 100%, 46%
HSV	56°, 100%, 92%
XYZ	59.8520, 68.8486, 10.1350
YIQ	199.4050, 79.5600, -65.2400

Conversions

Conversions Part 2

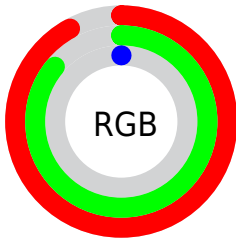
Format	Color
RYB	16, 235, 0
Decimal	15457280
CIELab	86.43, -12.94, 85.96
CIELCh	86, 86.931, 98.560
Yxy	68.8486, 0.4311, 0.4959
Android (android.graphics.Color)	4293647360 (0xFFEBDC00)
YUV	199.4050, -98.3067, 31.2168
Hunter-Lab	82.9751, -16.4497, 50.8406

Details

The Yxy color **68.8486, 0.4311, 0.4959** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **6.3402, 0.1509, 0.0631**, and the grayscale version is **57.9573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **35.9089, 0.4286, 0.4979** is the 20% darker color. If you saturate the color by 10%, you get **68.8503, 0.4311, 0.4959**, and if you desaturate by 10%, it is **69.7060, 0.4277, 0.4936**.

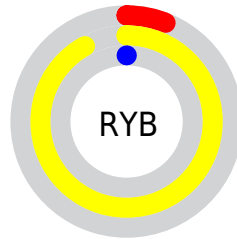
Distribution



Red (92%)

Green (86%)

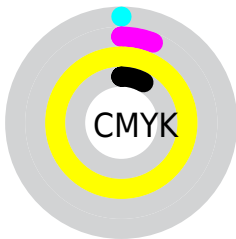
Blue (0%)



Red (6%)

Yellow (92%)

Blue (0%)

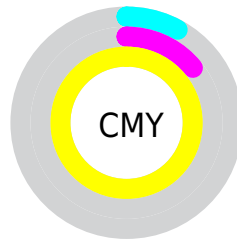


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8486, 0.4311, 0.4959 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 68.8486, 0.4311, 0.4959 by changing the saturation by 10% instead.


 68.8486, 0.4311,
0.4959


 68.8486, 0.4311,
0.4959


456.4968, 0.3859,
0.4256


 50.5884, 0.4376,
0.5083

 117.5653, 0.4183,
0.4742

 35.8812, 0.4435,
0.5215


 148.7906, 0.4125,
0.4649

 24.3424, 0.4477,
0.5349


 185.1064, 0.4070,
0.4565

 15.5878, 0.4505,
0.5495

 226.8971, 0.4020,
0.4490

 9.2330, 0.4433,
0.5567

 274.5471, 0.3975,
0.4422

 4.8934, 0.4327,
0.5673


 328.4408, 0.3933,


 2.1849, 0.4153,


0.4361

0.5847


388.9626, 0.3894,
0.4306


 0.7117, 0.3363,
0.6637

 0.0000, 0.0000,
0.0000


 68.8486, 0.4311,
0.4959


 68.8486, 0.4311,
0.4959

 68.8503, 0.4311,
0.4959

 69.7060, 0.4277,
0.4936

 70.6447, 0.4221,
0.4875

 71.6924, 0.4136,
0.4770

 72.8636, 0.4026,
0.4622

■ 74.1703, 0.3895,
0.4437

■ 75.6231, 0.3748,
0.4225

■ 77.2315, 0.3593,
0.3995

■ 79.0041, 0.3434,
0.3758

■ 80.9489, 0.3277,
0.3520

Harmonies

Analogous

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



68.8486, 0.4995, 0.4266



68.8486, 0.4311, 0.4959



68.8486, 0.3386, 0.5277

Triad

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



68.8486, 0.4311, 0.4959



68.8486, 0.1437, 0.2496



68.8486, 0.3609, 0.2292

Complementary

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



68.8486, 0.4311, 0.4959



6.3402, 0.1509, 0.0631

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.



68.8486, 0.2568, 0.1909



68.8486, 0.4311, 0.4959



68.8486, 0.1479, 0.1947

Square

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



68.8486, 0.4311, 0.4959



68.8486, 0.1746, 0.3518



68.8486, 0.1846, 0.1781



68.8486, 0.4648, 0.2867

Rectangle

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



68.8486, 0.4311, 0.4959



68.8486, 0.2745, 0.5014



68.8486, 0.1846, 0.1781



68.8486, 0.3239, 0.2139

Sweetspot

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



68.8519, 0.4311, 0.4959



92.9416, 0.3595, 0.3999



17.6980, 0.6346, 0.3269



19.7130, 0.3662, 0.4098



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.



68.8519, 0.4311, 0.4959



82.8411, 0.4312, 0.4959



64.4124, 0.3451, 0.5641



17.4528, 0.3269, 0.3508



38.3942, 0.4309, 0.4961



3.0647, 0.4291, 0.4975

Inverse Universe

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



6.3402, 0.1509, 0.0631



7.5983, 0.1508, 0.0628



8.8148, 0.1886, 0.0813



14.7030, 0.2980, 0.3062



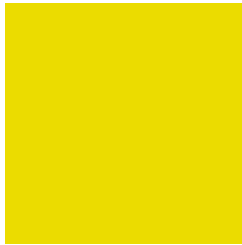
3.5903, 0.1511, 0.0641



0.3363, 0.1541, 0.0749

Previews

White Background



This preview shows how the Yxy color 68.8486, 0.4311, 0.4959 looks on a white background.

Color Contrast Check

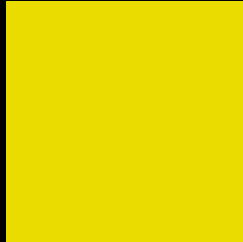
Large Text (above 18pt) WCAG AA × Fail

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 68.8486, 0.4311, 0.4959 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 68.8486, 0.4311, 0.4959

Background



This preview shows how black text looks on a background with the Yxy color 68.8486, 0.4311, 0.4959.



This preview shows how white text looks on a background with the Yxy color 68.8486, 0.4311, 0.4959.

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

68.8486, 0.4311, 0.4959

Protanopia

68.8588, 0.4406, 0.4884

Deuteranopia

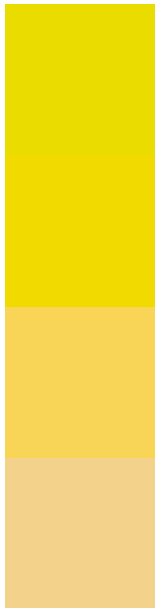
68.6102, 0.4034, 0.4046



Tritanopia

68.3095, 0.3350, 0.3125

Trichromacy



Original Color

68.8486, 0.4311, 0.4959

Protanomaly

68.8436, 0.4374, 0.4909

Deuteranomaly

68.2168, 0.4251, 0.4518

Tritanomaly

67.0413, 0.3897, 0.4036

Monochromacy



Original Color

68.8486, 0.4311, 0.4959

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

60.1550, 0.3744, 0.4226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8486, 0.4311, 0.4959 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, 220, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 220, 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(235, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 220, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.8486, 0.4311, 0.4959 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, 220, 0) }
```

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

```
.border{ border-color:rgb(235, 220, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 220, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 220,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8486, 0.4311, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 220, 0) }
```

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

```
.background{ background-color: rgb(235,  
220, 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