

Converting Colors

$Yxy(68.5288, 0.3917, 0.4463)$

Have a look what the booklet for
Yxy(68.5288, 0.3917, 0.4463)
contains.

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Color

Yxy(68.6431, 0.3913, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	E3DC6E
RGB	227, 220, 110
RGB Percent	89%, 86%, 43%
CMY	0.1097, 0.1372, 0.5687
CMYK	0.00, 0.03, 0.52, 0.11
HSL	56°, 68%, 66%
HSV	56°, 52%, 89%
XYZ	60.0896, 68.6431, 24.8313
YIQ	209.5530, 39.4820, -32.7260

Conversions

Conversions Part 2

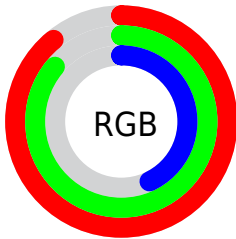
Format	Color
RYB	117, 227, 110
Decimal	14933102
CIELab	86.33, -11.93, 54.23
CIELCh	86, 55.531, 102.409
Yxy	68.6431, 0.3913, 0.4470
Android (android.graphics.Color)	4293123182 (0xFFE3DC6E)
YUV	209.5530, -49.0796, 15.3010
Hunter-Lab	82.8511, -15.5285, 40.2260

Details

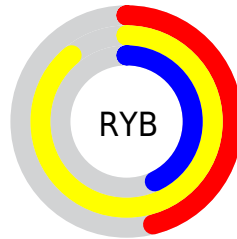
The Yxy color **68.6431, 0.3913, 0.4470** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.5857, 0.2155, 0.1745**, and the grayscale version is **64.4513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **35.6407, 0.4056, 0.4731** is the 20% darker color. If you saturate the color by 10%, you get **67.5021, 0.4040, 0.4650**, and if you desaturate by 10%, it is **69.9229, 0.3769, 0.4261**.

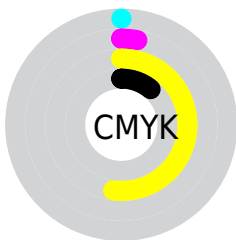
Distribution



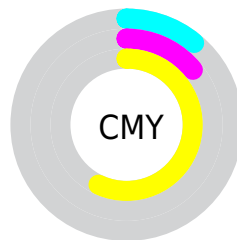
- Red (89%)
- Green (86%)
- Blue (43%)



- Red (46%)
- Yellow (89%)
- Blue (43%)



- Cyan (0%)
- Magenta (3%)
- Yellow (52%)
- Black (11%)





- Cyan (11%)
- Magenta (14%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6431, 0.3913, 0.4470 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 68.6431, 0.3913, 0.4470 by changing the saturation by 10% instead.

 68.6431, 0.3913,
0.4470

 68.6431, 0.3913,
0.4470

455.7712, 0.3573,
0.3926


 50.4211, 0.3980,
0.4588


 117.2717, 0.3802,
0.4285

 35.7481, 0.4056,
0.4729


 148.4470, 0.3757,
0.4212

 24.2397, 0.4140,
0.4897


 184.7090, 0.3717,
0.4148

 15.5115, 0.4228,
0.5098

 226.4419, 0.3681,
0.4092

 9.1792, 0.4315,
0.5344

274.0302, 0.3650,
0.4043

 4.8582, 0.4369,
0.5631


327.8582, 0.3621,

 2.1643, 0.4208,


0.4000


0.5792


388.3104, 0.3596,
0.3961


 0.7004, 0.3484,
0.6516


 0.0000, 0.0000,
0.0000


 68.6431, 0.3913,
0.4470

 68.6431, 0.3913,
0.4470


 67.5021, 0.4040,
0.4650


 69.9229, 0.3769,
0.4261


 66.4806, 0.4145,
0.4792


 71.3408, 0.3615,
0.4033


 65.5702, 0.4225,
0.4891

 72.9081, 0.3458,
0.3796

 64.7575, 0.4277,
0.4946

 74.6321, 0.3301,
0.3558

 64.1277, 0.4303,
0.4965

 76.5199, 0.3150,
0.3325

 78.5779, 0.3007,
0.3103

 79.8840, 0.2954,
0.3029

 80.6423, 0.2954,
0.3043

 81.4065, 0.2954,
0.3058

Harmonies

Analogous

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



68.6431, 0.4363, 0.4104



68.6431, 0.3913, 0.4470



68.6431, 0.3280, 0.4503

Triad

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



68.6431, 0.3913, 0.4470



68.6431, 0.1944, 0.2740



68.6431, 0.3546, 0.2656

Complementary

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



68.6431, 0.3913, 0.4470



21.5857, 0.2155, 0.1745

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.



68.6431, 0.2855, 0.2352



68.6431, 0.3913, 0.4470



68.6431, 0.1996, 0.2359

Square

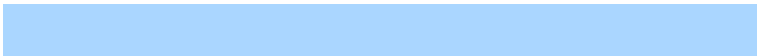
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6431, 0.3913, 0.4470



68.6431, 0.2162, 0.3371



68.6431, 0.2307, 0.2241



68.6431, 0.4169, 0.3097

Rectangle

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



68.6431, 0.3913, 0.4470



68.6431, 0.2842, 0.4264



68.6431, 0.2307, 0.2241



68.6431, 0.3311, 0.2536

Sweetspot

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



68.6463, 0.3913, 0.4470



96.3226, 0.3356, 0.3642



28.7869, 0.4512, 0.3206



20.5147, 0.3389, 0.3693



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.



68.6463, 0.3913, 0.4470



87.7432, 0.4050, 0.4663



65.3383, 0.3487, 0.4720



16.6614, 0.3269, 0.3509



37.4559, 0.4302, 0.4967



2.8131, 0.4284, 0.4980

Inverse Universe

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



21.5857, 0.2155, 0.1745



20.1418, 0.1938, 0.1386



24.2435, 0.2545, 0.1811



14.0251, 0.2980, 0.3062



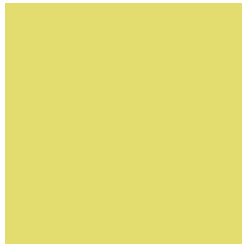
3.4670, 0.1511, 0.0639



0.3054, 0.1541, 0.0746

Previews

White Background



This preview shows how the Yxy color 68.6431, 0.3913, 0.4470 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 68.6431, 0.3913, 0.4470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

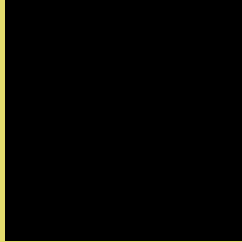
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6431, 0.3913, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 68.6431, 0.3913, 0.4470.

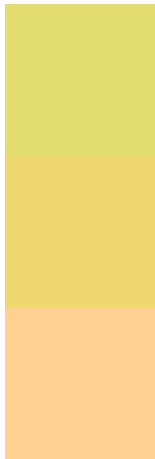


This preview shows how white text looks on a background with the Yxy color 68.6431, 0.3913, 0.4470.

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

68.6431, 0.3913, 0.4470

Protanopia

68.5666, 0.4036, 0.4399

Deuteranopia

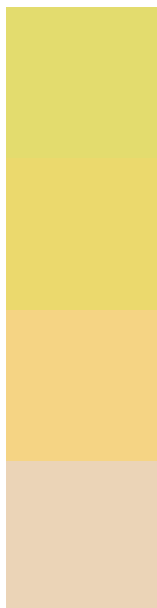
68.3854, 0.3975, 0.3949



Tritanopia

68.3582, 0.3249, 0.3112

Trichromacy



Original Color

68.6431, 0.3913, 0.4470

Protanomaly

68.3920, 0.3999, 0.4423

Deuteranomaly

68.1654, 0.3960, 0.4129

Tritanomaly

68.1680, 0.3511, 0.3607

Monochromacy



Original Color

68.6431, 0.3913, 0.4470

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.7481, 0.3423, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6431, 0.3913, 0.4470 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(227, 220, 110)` looks like.

```
.text, #text, p{  
    color:rgb(227, 220, 110)  
}
```

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(227, 220, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 220, 110) }
```

Border

The CSS property to change the border of an element to Yxy 68.6431, 0.3913, 0.4470 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(227, 220, 110) }
```

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

```
.border{ border-color:rgb(227, 220, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 220, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 220, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 220, 110);  
box-shadow:4px 4px 4px 4px rgb(227, 220,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6431, 0.3913, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 220, 110) }
```

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

```
.background{ background-color: rgb(227,  
220, 110) }
```

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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