

Converting Colors

$Yxy(68.9187, 0.3716, 0.4579)$

Have a look what the booklet for
Yxy(68.9187, 0.3716, 0.4579)
contains.

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Color

Yxy(68.8280, 0.3715, 0.4578)

Conversions

Conversions Part 1

Format	Color
Hex	CFE270
RGB	207, 226, 112
RGB Percent	81%, 89%, 44%
CMY	0.1882, 0.1137, 0.5609
CMYK	0.08, 0.00, 0.50, 0.11
HSL	70°, 66%, 66%
HSV	70°, 50%, 89%
XYZ	55.8532, 68.8280, 25.6639
YIQ	207.3230, 25.2700, -39.4820

Conversions

Conversions Part 2

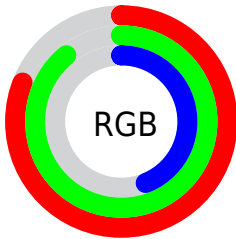
Format	Color
RYB	112, 226, 131
Decimal	13623920
CIELab	86.42, -22.66, 53.04
CIELCh	86, 57.679, 113.133
Yxy	68.8280, 0.3715, 0.4578
Android (android.graphics.Color)	4291814000 (0xFFCFE270)
YUV	207.3230, -46.9942, -0.2833
Hunter-Lab	82.9626, -25.0125, 39.7329

Details

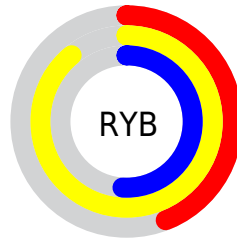
The Yxy color **68.8280, 0.3715, 0.4578** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.8990, 0.2302, 0.1746**, and the grayscale version is **62.9139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **36.0209, 0.3812, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **67.8533, 0.3799, 0.4800**, and if you desaturate by 10%, it is **69.9481, 0.3613, 0.4332**.

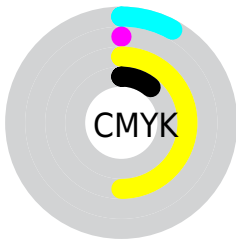
Distribution



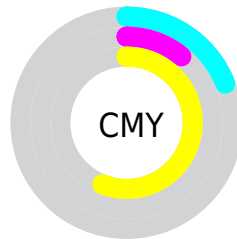
- Red (81%)
- Green (89%)
- Blue (44%)



- Red (44%)
- Yellow (89%)
- Blue (51%)



- Cyan (8%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)





- Cyan (19%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8280, 0.3715, 0.4578 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 68.8280, 0.3715, 0.4578 by changing the saturation by 10% instead.

 68.8280, 0.3715,
0.4578

 68.8280, 0.3715,
0.4578


456.4241, 0.3471,
0.3968


 50.5716, 0.3760,
0.4716

 117.5359, 0.3638,
0.4366

 35.8678, 0.3808,
0.4883


 148.7562, 0.3606,
0.4284

 24.3321, 0.3858,
0.5088


 185.0666, 0.3577,
0.4213

 15.5802, 0.3899,
0.5342

226.8515, 0.3551,
0.4151

 9.2276, 0.3919,
0.5662

274.4953, 0.3528,
0.4097

 4.8899, 0.3899,
0.6101

328.3824, 0.3507,

 2.1828, 0.3586,

0.4049

0.6414

388.8972, 0.3488,
0.4006

0.7106, 0.1468,
0.8532

0.0000, 0.0000,
0.0000

68.8280, 0.3715,
0.4578

68.8280, 0.3715,
0.4578

67.8533, 0.3799,
0.4800

69.9481, 0.3613,
0.4332

67.0051, 0.3861,
0.4987


71.2132, 0.3498,
0.4072

66.2753, 0.3898,
0.5131

72.6341, 0.3377,
0.3808


65.6507, 0.3908,
0.5230


74.2185, 0.3254,
0.3549

 65.1309, 0.3898,
0.5287

 75.9729, 0.3133,
0.3301

 77.9041, 0.3016,
0.3068

 79.0010, 0.2995,
0.2996

 79.6429, 0.3020,
0.2998

 80.2985, 0.3045,
0.3001

Harmonies

Analogous

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



68.8280, 0.4270, 0.4289



68.8280, 0.3715, 0.4578



68.8280, 0.3035, 0.4448

Triad

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



68.8280, 0.3715, 0.4578



68.8280, 0.1894, 0.2545



68.8280, 0.3815, 0.2784

Complementary

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



68.8280, 0.3715, 0.4578



21.8990, 0.2302, 0.1746

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.



68.8280, 0.3091, 0.2413



68.8280, 0.3715, 0.4578



68.8280, 0.2044, 0.2255

Square

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



68.8280, 0.3715, 0.4578



68.8280, 0.2016, 0.3114



68.8280, 0.2455, 0.2223



68.8280, 0.4370, 0.3271

Rectangle

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



68.8280, 0.3715, 0.4578



68.8280, 0.2605, 0.4091



68.8280, 0.2455, 0.2223



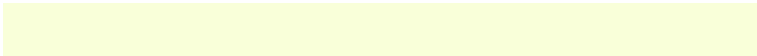
68.8280, 0.3579, 0.2644

Sweetspot

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



68.8311, 0.3715, 0.4578



96.5879, 0.3311, 0.3668



33.0617, 0.4451, 0.3491



20.5799, 0.3337, 0.3724



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.



68.8311, 0.3715, 0.4578



89.1007, 0.3806, 0.4819



62.2297, 0.3303, 0.4774



15.9080, 0.3242, 0.3523



37.2001, 0.3903, 0.5283



2.6096, 0.3950, 0.5245

Inverse Universe

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



21.8990, 0.2302, 0.1746



20.6170, 0.2090, 0.1387



27.5265, 0.2793, 0.1932



13.3525, 0.3006, 0.3049



3.3985, 0.1575, 0.0641



0.2692, 0.1705, 0.0713

Previews

White Background



This preview shows how the Yxy color 68.8280, 0.3715, 0.4578 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 68.8280, 0.3715, 0.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

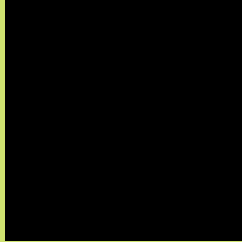
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8280, 0.3715, 0.4578

Background



This preview shows how black text looks on a background with the Yxy color 68.8280, 0.3715, 0.4578.



This preview shows how white text looks on a background with the Yxy color 68.8280, 0.3715, 0.4578.

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

68.8280, 0.3715, 0.4578

Protanopia

68.5666, 0.4036, 0.4399

Deuteranopia

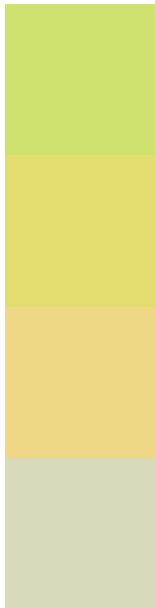
68.4161, 0.3967, 0.3939



Tritanopia

68.6738, 0.3071, 0.3106

Trichromacy



Original Color

68.8280, 0.3715, 0.4578

Protanomaly

68.6431, 0.3913, 0.4470

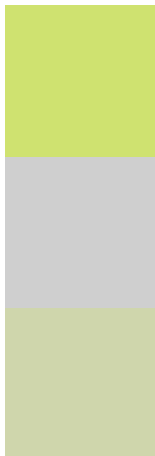
Deuteranomaly

68.4715, 0.3883, 0.4167

Tritanomaly

68.3296, 0.3324, 0.3642

Monochromacy



Original Color

68.8280, 0.3715, 0.4578

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

64.3371, 0.3366, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8280, 0.3715, 0.4578 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(207, 226, 112)` looks like.

```
.text, #text, p{  
    color:rgb(207, 226, 112)  
}
```

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(207, 226, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 226, 112) }
```

Border

The CSS property to change the border of an element to Yxy 68.8280, 0.3715, 0.4578 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(207, 226, 112) }
```

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

```
.border{ border-color:rgb(207, 226, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 226, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 226, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 226, 112);  
box-shadow:4px 4px 4px 4px rgb(207, 226,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8280, 0.3715, 0.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 226, 112) }
```

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

```
.background{ background-color: rgb(207,  
226, 112) }
```

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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