

Converting Colors

$Yxy(66.8835, 0.3571, 0.4580)$

Have a look what the booklet for
Yxy(66.8835, 0.3571, 0.4580)
contains.

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Color

Yxy(66.8835, 0.3571, 0.4580)

Conversions

Conversions Part 1

Format	Color
Hex	C0E275
RGB	192, 226, 117
RGB Percent	75%, 89%, 46%
CMY	0.2470, 0.1137, 0.5410
CMYK	0.15, 0.00, 0.48, 0.11
HSL	79°, 65%, 67%
HSV	79°, 48%, 89%
XYZ	52.1487, 66.8835, 27.0017
YIQ	203.4080, 14.7250, -41.1070

Conversions

Conversions Part 2

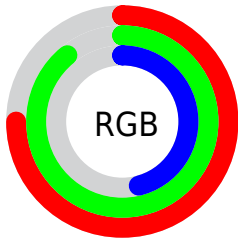
Format	Color
RYB	117, 226, 151
Decimal	12640885
CIELab	85.45, -27.94, 49.25
CIElCh	85, 56.623, 119.561
Yxy	66.8835, 0.3571, 0.4580
Android (android.graphics.Color)	4290830965 (0xFFC0E275)
YUV	203.4080, -42.5991, -10.0048
Hunter-Lab	81.7823, -29.2982, 37.6722

Details

The Yxy color **66.8835, 0.3571, 0.4580** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.8048, 0.2477, 0.1870**, and the grayscale version is **60.2617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7843, 0.3592, 0.4125**, and **34.7417, 0.3628, 0.4909** is the 20% darker color. If you saturate the color by 10%, you get **65.5187, 0.3634, 0.4835**, and if you desaturate by 10%, it is **68.4266, 0.3492, 0.4308**.

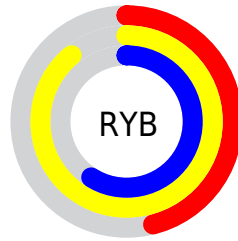
Distribution



Red (75%)

Green (89%)

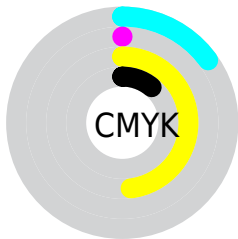
Blue (46%)



Red (46%)

Yellow (89%)

Blue (59%)

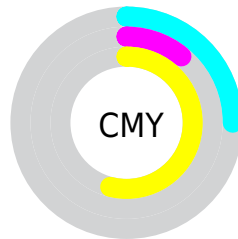


Cyan (15%)

Magenta (0%)

Yellow (48%)

Black (11%)



Cyan (25%)


Magenta (11%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8835, 0.3571, 0.4580 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 66.8835, 0.3571, 0.4580 by changing the saturation by 10% instead.


 66.8835, 0.3571,
0.4580

 66.8835, 0.3571,
0.4580


449.5300, 0.3391,
0.3956

 48.9900, 0.3602,
0.4725

 114.7535, 0.3516,
0.4360

 34.6115, 0.3635,
0.4904


 145.4987, 0.3492,
0.4276

 23.3638, 0.3665,
0.5128


 181.2966, 0.3471,
0.4203

 14.8623, 0.3683,
0.5414

222.5315, 0.3451,
0.4140

 8.7228, 0.3669,
0.5781

269.5879, 0.3434,
0.4086

 4.5608, 0.3633,
0.6367

322.8502, 0.3418,

 1.9920, 0.3223,

0.4037

0.6777

382.7028, 0.3404,
0.3994

0.6028, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.8835, 0.3571,
0.4580

66.8835, 0.3571,
0.4580

65.5187, 0.3634,
0.4835

68.4266, 0.3492,
0.4308

64.3134, 0.3675,
0.5061


70.1483, 0.3402,
0.4030


63.2593, 0.3692,
0.5246


72.0597, 0.3306,
0.3756

62.3430, 0.3684,
0.5384

74.1687, 0.3207,
0.3494

 61.5461, 0.3653,
0.5473


 76.4824, 0.3110,
0.3247

 61.4114, 0.3646,
0.5487

 79.0078, 0.3016,
0.3020

 80.3783, 0.3048,
0.3001

 81.6457, 0.3096,
0.3005

 82.8737, 0.3140,
0.3009

Harmonies

Analogous

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



66.8835, 0.4163, 0.4367



66.8835, 0.3571, 0.4580



66.8835, 0.2894, 0.4343

Triad

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



66.8835, 0.3571, 0.4580



66.8835, 0.1913, 0.2467



66.8835, 0.3951, 0.2885

Complementary

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



66.8835, 0.3571, 0.4580



24.8048, 0.2477, 0.1870

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.



66.8835, 0.3246, 0.2486



66.8835, 0.3571, 0.4580



66.8835, 0.2119, 0.2236

Square

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



66.8835, 0.3571, 0.4580



66.8835, 0.1975, 0.2974



66.8835, 0.2580, 0.2254



66.8835, 0.4430, 0.3384

Rectangle

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



66.8835, 0.3571, 0.4580



66.8835, 0.2487, 0.3937



66.8835, 0.2580, 0.2254



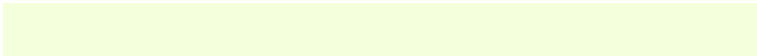
66.8835, 0.3727, 0.2737

Sweetspot

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



66.8865, 0.3571, 0.4580



95.8588, 0.3265, 0.3646



39.1800, 0.4262, 0.3674



20.3912, 0.3287, 0.3704



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.



66.8865, 0.3571, 0.4580



86.1185, 0.3635, 0.4840



61.1533, 0.3189, 0.4753



15.8039, 0.3219, 0.3525



35.1003, 0.3655, 0.5480



2.4798, 0.3740, 0.5413

Inverse Universe

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



24.8048, 0.2477, 0.1870



24.5520, 0.2303, 0.1549



31.0894, 0.2969, 0.2049



13.4497, 0.3029, 0.3051



3.9418, 0.1720, 0.0721



0.3197, 0.1888, 0.0814

Previews

White Background



This preview shows how the Yxy color 66.8835, 0.3571, 0.4580 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 66.8835, 0.3571, 0.4580 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 66.8835, 0.3571, 0.4580

Background



This preview shows how black text looks on a background with the Yxy color 66.8835, 0.3571, 0.4580.

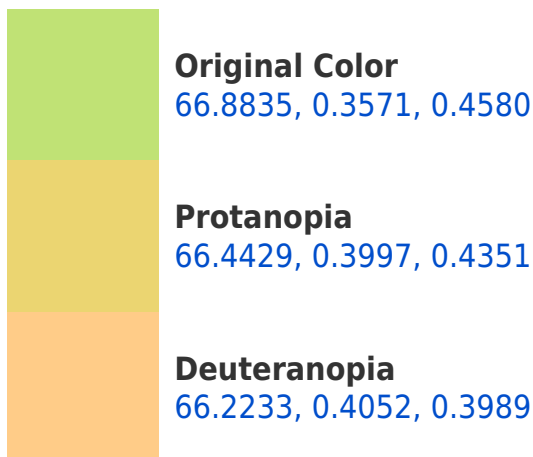


This preview shows how white text looks on a background with the Yxy color 66.8835, 0.3571, 0.4580.

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

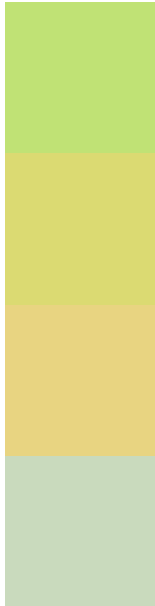




Tritanopia

66.4235, 0.2965, 0.3100

Trichromacy



Original Color

66.8835, 0.3571, 0.4580

Protanomaly

66.4178, 0.3835, 0.4444

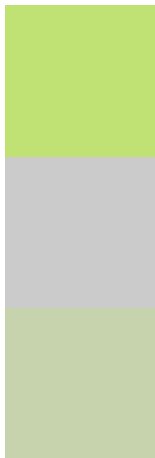
Deuteranomaly

65.8278, 0.3875, 0.4196

Tritanomaly

66.2344, 0.3198, 0.3631

Monochromacy



Original Color

66.8835, 0.3571, 0.4580

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.7092, 0.3309, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8835, 0.3571, 0.4580 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(192, 226, 117)` looks like.

```
.text, #text, p{  
    color:rgb(192, 226, 117)  
}
```

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(192, 226, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 226, 117) }
```

Border

The CSS property to change the border of an element to Yxy 66.8835, 0.3571, 0.4580 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(192, 226, 117) }
```

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

```
.border{ border-color:rgb(192, 226, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 226, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 226, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 226, 117); box-shadow:4px 4px 4px 4px rgb(192, 226, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8835, 0.3571, 0.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 226, 117) }
```

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

```
.background{ background-color: rgb(192,  
226, 117) }
```

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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