

Converting Colors

Yxy(68.1362, 0.3467, 0.4499)

Have a look what the booklet for
Yxy(68.1362, 0.3467, 0.4499)
contains.

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Color

Yxy(68.2885, 0.3469, 0.4499)

Conversions

Conversions Part 1

Format	Color
Hex	BCE580
RGB	188, 229, 128
RGB Percent	74%, 90%, 50%
CMY	0.2628, 0.1019, 0.4979
CMYK	0.18, 0.00, 0.44, 0.10
HSL	84°, 66%, 70%
HSV	84°, 44%, 90%
XYZ	52.6545, 68.2885, 30.8429
YIQ	205.2270, 7.9850, -40.1030

Conversions

Conversions Part 2

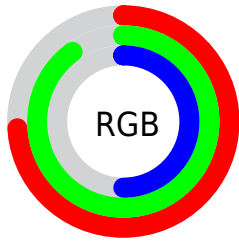
Format	Color
RYB	128, 229, 169
Decimal	12379520
CIELab	86.15, -29.66, 44.77
CIELCh	86, 53.703, 123.520
Yxy	68.2885, 0.3469, 0.4499
Android (android.graphics.Color)	4290569600 (0xFFBCE580)
YUV	205.2270, -38.0729, -15.1081
Hunter-Lab	82.6369, -30.8779, 35.7167

Details

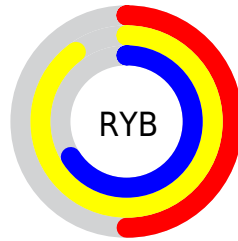
The Yxy color **68.2885, 0.3469, 0.4499** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **29.5502, 0.2626, 0.2029**, and the grayscale version is **61.4483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4902, 0.3500, 0.4023**, and **35.3955, 0.3521, 0.4808** is the 20% darker color. If you saturate the color by 10%, you get **66.6109, 0.3522, 0.4779**, and if you desaturate by 10%, it is **70.1844, 0.3402, 0.4210**.

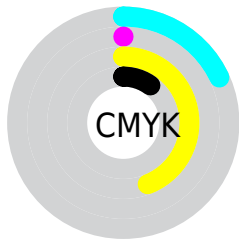
Distribution



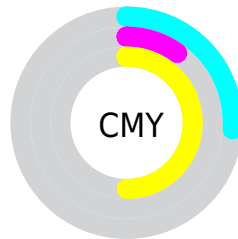
- Red (74%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (66%)



- Cyan (18%)
- Magenta (0%)
- Yellow (44%)
- Black (10%)





- Cyan (26%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2885, 0.3469, 0.4499 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 68.2885, 0.3469, 0.4499 by changing the saturation by 10% instead.


 68.2885, 0.3469,
0.4499


 68.2885, 0.3469,
0.4499

454.5175, 0.3333,
0.3912


 50.1325, 0.3492,
0.4637


 116.7648, 0.3428,
0.4291

 35.5187, 0.3516,
0.4809

 147.8538, 0.3410,
0.4212

 24.0627, 0.3537,
0.5027


 184.0226, 0.3394,
0.4143

 15.3801, 0.3549,
0.5310

225.6557, 0.3379,
0.4084

 9.0866, 0.3534,
0.5683

273.1373, 0.3366,
0.4033

 4.7977, 0.3566,
0.6404

326.8518, 0.3354,

 2.1291, 0.3158,

0.3988

0.6842

387.1838, 0.3343,
0.3948

0.6809, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.2885, 0.3469,
0.4499

68.2885, 0.3469,
0.4499

66.6109, 0.3522,
0.4779

70.1844, 0.3402,
0.4210

65.1319, 0.3557,
0.5037


72.2993, 0.3325,
0.3924

63.8426, 0.3569,
0.5259


74.6454, 0.3244,
0.3649

62.7295, 0.3557,
0.5434


77.2312, 0.3161,
0.3390


 61.7761, 0.3522,
0.5556

 80.0646, 0.3079,
0.3151

 61.2732, 0.3493,
0.5608

 82.4617, 0.3064,
0.3033

 84.1667, 0.3126,
0.3038

 84.5220, 0.3139,
0.3039

Harmonies

Analogous

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



68.2885, 0.4048, 0.4356



68.2885, 0.3469, 0.4499



68.2885, 0.2830, 0.4212

Triad

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



68.2885, 0.3469, 0.4499



68.2885, 0.1985, 0.2469



68.2885, 0.3980, 0.2967

Complementary

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



68.2885, 0.3469, 0.4499



29.5502, 0.2626, 0.2029

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.



68.2885, 0.3332, 0.2569



68.2885, 0.3469, 0.4499



68.2885, 0.2215, 0.2279

Square

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



68.2885, 0.3469, 0.4499



68.2885, 0.2011, 0.2919



68.2885, 0.2685, 0.2323



68.2885, 0.4387, 0.3452

Rectangle

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



68.2885, 0.3469, 0.4499



68.2885, 0.2457, 0.3809



68.2885, 0.2685, 0.2323



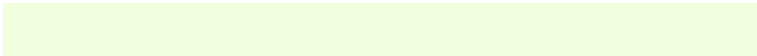
68.2885, 0.3779, 0.2821

Sweetspot

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



68.2915, 0.3469, 0.4499



95.5803, 0.3235, 0.3622



46.3832, 0.4075, 0.3758



20.3088, 0.3254, 0.3681



0.0000, 0.0000, 0.0000



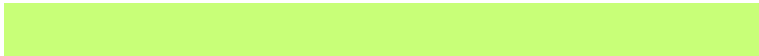
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2915, 0.3469, 0.4499



85.1642, 0.3519, 0.4758



63.0172, 0.3124, 0.4640



16.5100, 0.3205, 0.3527



35.1029, 0.3504, 0.5600



2.6479, 0.3602, 0.5522

Inverse Universe

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



29.5502, 0.2626, 0.2029



29.7031, 0.2490, 0.1745



36.1541, 0.3082, 0.2183



14.1716, 0.3044, 0.3052



4.6324, 0.1857, 0.0797



0.3954, 0.2021, 0.0887

Previews

White Background



This preview shows how the Yxy color 68.2885, 0.3469, 0.4499 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 68.2885, 0.3469, 0.4499 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 68.2885, 0.3469, 0.4499

Background



This preview shows how black text looks on a background with the Yxy color 68.2885, 0.3469, 0.4499.

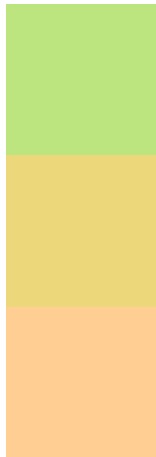


This preview shows how white text looks on a background with the Yxy color 68.2885, 0.3469, 0.4499.

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

68.2885, 0.3469, 0.4499

Protanopia

67.8638, 0.3932, 0.4271

Deuteranopia

67.4779, 0.3969, 0.3910



Tritanopia

68.1228, 0.2913, 0.3100

Trichromacy



Original Color

68.2885, 0.3469, 0.4499



Protanomaly

67.7271, 0.3760, 0.4352



Deuteranomaly

66.9461, 0.3790, 0.4115



Tritanomaly

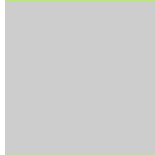
67.5234, 0.3127, 0.3595

Monochromacy



Original Color

68.2885, 0.3469, 0.4499



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.4096, 0.3270, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2885, 0.3469, 0.4499 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(188, 229, 128)` looks like.

```
.text, #text, p{  
    color:rgb(188, 229, 128)  
}
```

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(188, 229, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 229, 128) }
```

Border

The CSS property to change the border of an element to Yxy 68.2885, 0.3469, 0.4499 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(188, 229, 128) }
```

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

```
.border{ border-color:rgb(188, 229, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 229, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 229, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 229, 128);  
box-shadow:4px 4px 4px 4px rgb(188, 229,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2885, 0.3469, 0.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 229, 128) }
```

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

```
.background{ background-color: rgb(188,  
229, 128) }
```

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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