

Converting Colors

$Y_{xy}(68.1250, 0.3855, 0.5220)$

Have a look what the booklet for
Yxy(68.1250, 0.3855, 0.5220)
contains.

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Color

Yxy(68.3495, 0.3849, 0.5224)

Conversions

Conversions Part 1

Format	Color
Hex	BFE723
RGB	191, 231, 35
RGB Percent	75%, 91%, 14%
CMY	0.2511, 0.0941, 0.8627
CMYK	0.17, 0.00, 0.85, 0.09
HSL	72°, 80%, 52%
HSV	72°, 85%, 91%
XYZ	50.3593, 68.3495, 12.1286
YIQ	196.6960, 39.0760, -69.4360

Conversions

Conversions Part 2

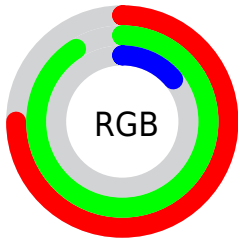
Format	Color
R_{YB}	35, 231, 75
Decimal	12576547
CIE _{Lab}	86.18, -35.84, 79.94
CIE _{LCh}	86, 87.611, 114.149
Yxy	68.3495, 0.3849, 0.5224
Android (android.graphics.Color)	4290766627 (0xFFBFE723)
YUV	196.6960, -79.7161, -4.9954
Hunter-Lab	82.6738, -35.9488, 49.1735

Details

The Yxy color **68.3495, 0.3849, 0.5224** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **8.4711, 0.1746, 0.0825**, and the grayscale version is **56.1134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9885, 0.3950, 0.4712**, and **35.6465, 0.3776, 0.5384** is the 20% darker color. If you saturate the color by 10%, you get **67.6555, 0.3842, 0.5309**, and if you desaturate by 10%, it is **69.1595, 0.3831, 0.5092**.

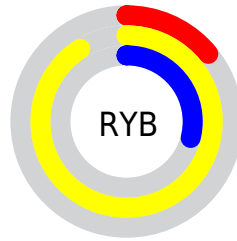
Distribution



Red (75%)

Green (91%)

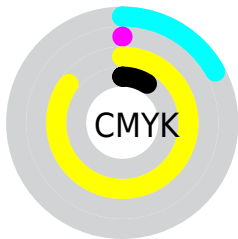
Blue (14%)



Red (14%)

Yellow (91%)

Blue (29%)

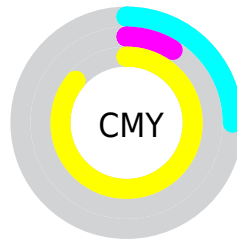


Cyan (17%)

Magenta (0%)

Yellow (85%)

Black (9%)



Cyan (25%)

Magenta (9%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3495, 0.3849, 0.5224 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 68.3495, 0.3849, 0.5224 by changing the saturation by 10% instead.


 68.3495, 0.3849,
0.5224


 68.3495, 0.3849,
0.5224


454.7333, 0.3606,
0.4333


 50.1821, 0.3870,
0.5407


 116.8520, 0.3791,
0.4927


 35.5581, 0.3877,
0.5617


 147.9559, 0.3760,
0.4808


 24.0931, 0.3854,
0.5854


 184.1408, 0.3730,
0.4703

 15.4027, 0.3819,
0.6181

 225.7910, 0.3702,
0.4610

 9.1025, 0.3609,
0.6391

 273.2909, 0.3676,
0.4529

 4.8081, 0.3297,
0.6703

 327.0251, 0.3651,

 2.1351, 0.2793,

0.4456

0.7207

387.3777, 0.3628,
0.4391

0.6843, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.3495, 0.3849,
0.5224

68.3495, 0.3849,
0.5224

67.6555, 0.3842,
0.5309


69.1595, 0.3831,
0.5092

67.3265, 0.3831,
0.5340


70.0918, 0.3787,
0.4915

71.1621, 0.3719,
0.4700


72.3813, 0.3630,
0.4456

 73.7592, 0.3528,
0.4195

 75.3046, 0.3415,
0.3928

 77.0256, 0.3299,
0.3663

 78.9298, 0.3183,
0.3409

 81.0241, 0.3069,
0.3168

Harmonies

Analogous

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



68.3495, 0.4695, 0.4651



68.3495, 0.3849, 0.5224



68.3495, 0.2878, 0.5132

Triad

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



68.3495, 0.3849, 0.5224



68.3495, 0.1406, 0.2145



68.3495, 0.4193, 0.2566

Complementary

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



68.3495, 0.3849, 0.5224



8.4711, 0.1746, 0.0825

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.



68.3495, 0.3080, 0.2069



68.3495, 0.3849, 0.5224



68.3495, 0.1616, 0.1808

Square

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



68.3495, 0.3849, 0.5224



68.3495, 0.1524, 0.2925



68.3495, 0.2167, 0.1803



68.3495, 0.5028, 0.3207

Rectangle

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



68.3495, 0.3849, 0.5224



68.3495, 0.2279, 0.4535



68.3495, 0.2167, 0.1803



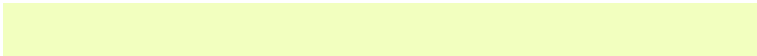
68.3495, 0.3824, 0.2379

Sweetspot

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



68.3526, 0.3849, 0.5224



94.1655, 0.3419, 0.3936



22.0383, 0.5788, 0.3570



20.0043, 0.3459, 0.4030



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.



68.3526, 0.3849, 0.5224



84.2028, 0.3829, 0.5342



59.6501, 0.3205, 0.5710



16.6607, 0.3236, 0.3524



37.7937, 0.3837, 0.5335



2.8305, 0.3892, 0.5292

Inverse Universe

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



8.4711, 0.1746, 0.0825



7.9527, 0.1589, 0.0649



15.7677, 0.2571, 0.1263



14.0283, 0.3012, 0.3049



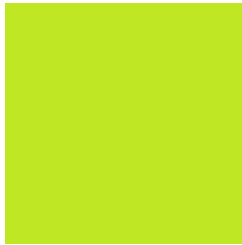
3.6180, 0.1604, 0.0657



0.3063, 0.1739, 0.0731

Previews

White Background



This preview shows how the Yxy color 68.3495, 0.3849, 0.5224 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 68.3495, 0.3849, 0.5224 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 68.3495, 0.3849, 0.5224

Background



This preview shows how black text looks on a background with the Yxy color 68.3495, 0.3849, 0.5224.



This preview shows how white text looks on a background with the Yxy color 68.3495, 0.3849, 0.5224.

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

68.3495, 0.3849, 0.5224

Protanopia

68.0827, 0.4367, 0.4841

Deuteranopia

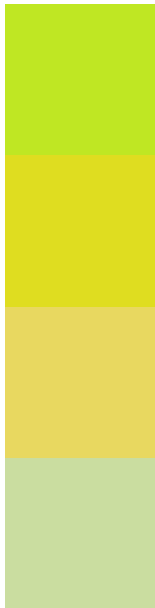
67.5243, 0.4072, 0.4065



Tritanopia

67.9824, 0.2973, 0.3102

Trichromacy



Original Color

68.3495, 0.3849, 0.5224

Protanomaly

67.5052, 0.4174, 0.4983

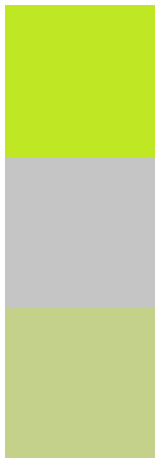
Deuteranomaly

67.1121, 0.4053, 0.4537

Tritanomaly

66.8075, 0.3396, 0.4012

Monochromacy



Original Color

68.3495, 0.3849, 0.5224

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

59.0380, 0.3520, 0.4165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3495, 0.3849, 0.5224 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(191, 231, 35)` looks like.

```
.text, #text, p{  
    color:rgb(191, 231, 35)  
}
```

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(191, 231, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 231, 35) }
```

Border

The CSS property to change the border of an element to Yxy 68.3495, 0.3849, 0.5224 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(191, 231, 35) }
```

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

```
.border{ border-color:rgb(191, 231, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 231, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 231, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 231, 35);  
box-shadow:4px 4px 4px 4px rgb(191, 231,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3495, 0.3849, 0.5224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 231, 35) }
```

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

```
.background{ background-color: rgb(191,  
231, 35) }
```

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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