

Converting Colors

$Yxy(71.8205, 0.3454, 0.4539)$

Have a look what the booklet for
Yxy(71.8205, 0.3454, 0.4539)
contains.

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Color

Yxy(71.8205, 0.3454, 0.4539)

Conversions

Conversions Part 1

Format	Color
Hex	BDEB81
RGB	189, 235, 129
RGB Percent	74%, 92%, 51%
CMY	0.2589, 0.0784, 0.4940
CMYK	0.20, 0.00, 0.45, 0.08
HSL	86°, 73%, 71%
HSV	86°, 45%, 92%
XYZ	54.6526, 71.8205, 31.7567
YIQ	209.1620, 6.6100, -42.7180

Conversions

Conversions Part 2

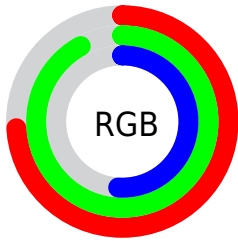
Format	Color
RYB	129, 235, 175
Decimal	12446593
CIELab	87.88, -31.99, 46.47
CIELCh	88, 56.419, 124.542
Yxy	71.8205, 0.3454, 0.4539
Android (android.graphics.Color)	4290636673 (0xFFBDEB81)
YUV	209.1620, -39.5199, -17.6821
Hunter-Lab	84.7470, -33.1942, 37.1055

Details

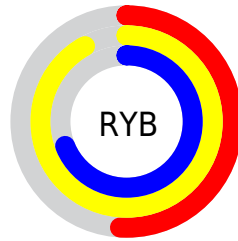
The Yxy color **71.8205, 0.3454, 0.4539** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **30.8251, 0.2636, 0.2004**, and the grayscale version is **64.1308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7548, 0.3495, 0.4001**, and **37.8444, 0.3498, 0.4850** is the 20% darker color. If you saturate the color by 10%, you get **70.0091, 0.3501, 0.4823**, and if you desaturate by 10%, it is **73.8738, 0.3393, 0.4246**.

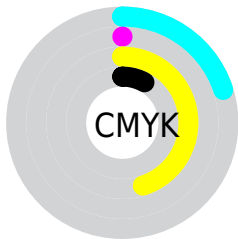
Distribution



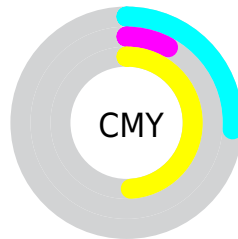
- Red (74%)
- Green (92%)
- Blue (51%)



- Red (51%)
- Yellow (92%)
- Blue (69%)



- Cyan (20%)
- Magenta (0%)
- Yellow (45%)
- Black (8%)





- Cyan (26%)
- Magenta (8%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8205, 0.3454, 0.4539 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 71.8205, 0.3454, 0.4539 by changing the saturation by 10% instead.

 71.8205, 0.3454,
0.4539

 71.8205, 0.3454,
0.4539


466.9166, 0.3328,
0.3936


 53.0121, 0.3474,
0.4680


 121.8013, 0.3417,
0.4327

 37.8124, 0.3494,
0.4854


 153.7424, 0.3400,
0.4245

 25.8371, 0.3510,
0.5074


 190.8299, 0.3385,
0.4175

 16.7018, 0.3516,
0.5358

233.4482, 0.3372,
0.4114

 10.0221, 0.3491,
0.5730

281.9816, 0.3359,
0.4061

 5.4136, 0.3482,
0.6386

336.8145, 0.3348,

 2.4919, 0.3116,

0.4015

0.6884

398.3314, 0.3338,
0.3973

0.8726, 0.0526,
0.9474

0.0000, 0.0000,
0.0000

71.8205, 0.3454,
0.4539

71.8205, 0.3454,
0.4539

70.0091, 0.3501,
0.4823

73.8738, 0.3393,
0.4246

68.4183, 0.3529,
0.5083

76.1704, 0.3322,
0.3956

67.0381, 0.3534,
0.5306


78.7235, 0.3245,
0.3677


65.8533, 0.3516,
0.5479


81.5426, 0.3167,
0.3416

 64.8457, 0.3475,
0.5599

 84.6365, 0.3089,
0.3175

 64.4038, 0.3450,
0.5643

 87.0078, 0.3105,
0.3096

 87.9031, 0.3136,
0.3097

Harmonies

Analogous

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



71.8205, 0.4056, 0.4398



71.8205, 0.3454, 0.4539



71.8205, 0.2797, 0.4228

Triad

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



71.8205, 0.3454, 0.4539



71.8205, 0.1956, 0.2432



71.8205, 0.4028, 0.2972

Complementary

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



71.8205, 0.3454, 0.4539



30.8251, 0.2636, 0.2004

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.



71.8205, 0.3361, 0.2560



71.8205, 0.3454, 0.4539



71.8205, 0.2201, 0.2247

Square

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



71.8205, 0.3454, 0.4539



71.8205, 0.1973, 0.2884



71.8205, 0.2691, 0.2302



71.8205, 0.4436, 0.3470

Rectangle

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



71.8205, 0.3454, 0.4539



71.8205, 0.2418, 0.3803



71.8205, 0.2691, 0.2302



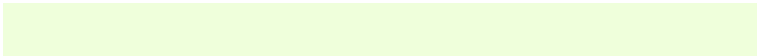
71.8205, 0.3822, 0.2821

Sweetspot

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



71.8237, 0.3454, 0.4539



95.0869, 0.3237, 0.3649



49.8896, 0.4087, 0.3808



20.2027, 0.3254, 0.3708



0.0000, 0.0000, 0.0000



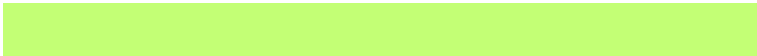
21.4041, 0.3127, 0.3290

Same Dimension

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



71.8237, 0.3454, 0.4539



84.4384, 0.3498, 0.4799



66.2499, 0.3102, 0.4687



17.2825, 0.3201, 0.3527



35.9167, 0.3461, 0.5634



2.8770, 0.3558, 0.5557

Inverse Universe

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



30.8251, 0.2636, 0.2004



29.3730, 0.2506, 0.1728



38.1893, 0.3113, 0.2169



14.8689, 0.3048, 0.3051



4.9853, 0.1904, 0.0822



0.4474, 0.2058, 0.0908

Previews

White Background



This preview shows how the Yxy color 71.8205, 0.3454, 0.4539 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 71.8205, 0.3454, 0.4539 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 71.8205, 0.3454, 0.4539

Background



This preview shows how black text looks on a background with the Yxy color 71.8205, 0.3454, 0.4539.



This preview shows how white text looks on a background with the Yxy color 71.8205, 0.3454, 0.4539.

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

71.8205, 0.3454, 0.4539

Protanopia

71.3424, 0.3941, 0.4292

Deuteranopia

70.9556, 0.3826, 0.3807



Tritanopia

71.3712, 0.2892, 0.3092

Trichromacy



Original Color

71.8205, 0.3454, 0.4539



Protanomaly

70.8864, 0.3756, 0.4378



Deuteranomaly

70.3773, 0.3692, 0.4056



Tritanomaly

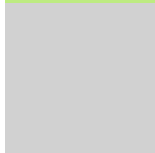
71.2504, 0.3106, 0.3601

Monochromacy



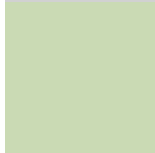
Original Color

71.8205, 0.3454, 0.4539



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.9947, 0.3266, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8205, 0.3454, 0.4539 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(189, 235, 129)` looks like.

```
.text, #text, p{  
    color:rgb(189, 235, 129)  
}
```

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(189, 235, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 235, 129) }
```

Border

The CSS property to change the border of an element to Yxy 71.8205, 0.3454, 0.4539 is called "border". The border property can be set on classes, ids or directly on the HTML element.

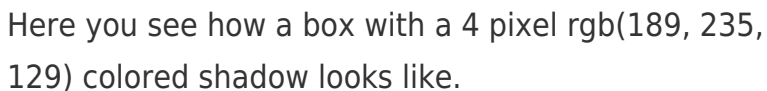
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 235, 129) }
```

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

```
.border{ border-color:rgb(189, 235, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 235, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 235, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 235, 129);  
box-shadow:4px 4px 4px 4px rgb(189, 235,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8205, 0.3454, 0.4539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 235, 129) }
```

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

```
.background{ background-color: rgb(189,  
235, 129) }
```

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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