

Converting Colors

$Yxy(67.9935, 0.3528, 0.4466)$

Have a look what the booklet for
Yxy(67.9935, 0.3528, 0.4466)
contains.

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Color

Yxy(68.0726, 0.3534, 0.4471)

Conversions

Conversions Part 1

Format	Color
Hex	C3E37F
RGB	195, 227, 127
RGB Percent	76%, 89%, 50%
CMY	0.2353, 0.1098, 0.5020
CMYK	0.14, 0.00, 0.44, 0.11
HSL	79°, 64%, 69%
HSV	79°, 44%, 89%
XYZ	53.8064, 68.0726, 30.3746
YIQ	206.0320, 13.0280, -37.8840

Conversions

Conversions Part 2

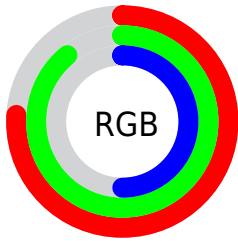
Format	Color
RYB	127, 227, 159
Decimal	12837759
CIELab	86.04, -26.22, 45.25
CIELCh	86, 52.301, 120.087
Yxy	68.0726, 0.3534, 0.4471
Android (android.graphics.Color)	4291027839 (0xFFC3E37F)
YUV	206.0320, -38.9628, -9.6751
Hunter-Lab	82.5061, -27.9768, 35.9267

Details

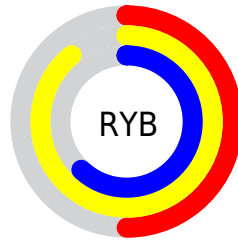
The Yxy color **68.0726, 0.3534, 0.4471** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **28.0883, 0.2552, 0.2006**, and the grayscale version is **61.9926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7388, 0.3554, 0.4021**, and **35.5885, 0.3601, 0.4775** is the 20% darker color. If you saturate the color by 10%, you get **66.6051, 0.3603, 0.4736**, and if you desaturate by 10%, it is **69.7265, 0.3451, 0.4194**.

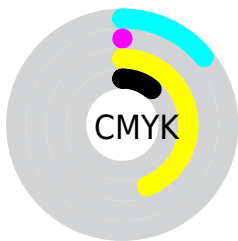
Distribution



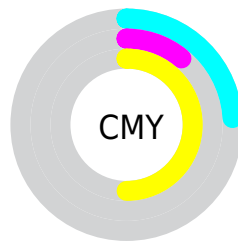
- Red (76%)
- Green (89%)
- Blue (50%)



- Red (50%)
- Yellow (89%)
- Blue (62%)



- Cyan (14%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)





- Cyan (24%)
- Magenta (11%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0726, 0.3534, 0.4471 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 68.0726, 0.3534, 0.4471 by changing the saturation by 10% instead.


 68.0726, 0.3534,
0.4471


 68.0726, 0.3534,
0.4471


453.7532, 0.3366,
0.3901

 49.9568, 0.3565,
0.4604


 116.4560, 0.3481,
0.4270

 35.3791, 0.3598,
0.4769


 147.4924, 0.3459,
0.4193

 23.9550, 0.3631,
0.4977


 183.6044, 0.3439,
0.4126

 15.3003, 0.3658,
0.5245

225.1765, 0.3422,
0.4069

 9.0304, 0.3663,
0.5595

272.5930, 0.3406,
0.4019

 4.7610, 0.3729,
0.6271

326.2384, 0.3391,

 2.1077, 0.3357,

0.3975

0.6643

386.4970, 0.3378,
0.3936

0.6690, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.0726, 0.3534,
0.4471

68.0726, 0.3534,
0.4471

66.6051, 0.3603,
0.4736

69.7265, 0.3451,
0.4194

65.3052, 0.3652,
0.4978


71.5666, 0.3359,
0.3916


64.1651, 0.3678,
0.5182

73.6042, 0.3263,
0.3646

63.1722, 0.3679,
0.5342

75.8468, 0.3166,
0.3389


 62.3115, 0.3655,
0.5451


 78.3017, 0.3071,
0.3151

 61.8491, 0.3633,
0.5497

 80.4373, 0.3030,
0.3010

 81.7237, 0.3078,
0.3014

 83.0613, 0.3127,
0.3018

 83.4203, 0.3140,
0.3019

Harmonies

Analogous

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



68.0726, 0.4081, 0.4296



68.0726, 0.3534, 0.4471



68.0726, 0.2908, 0.4240

Triad

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



68.0726, 0.3534, 0.4471



68.0726, 0.1999, 0.2527



68.0726, 0.3894, 0.2925

Complementary

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



68.0726, 0.3534, 0.4471



28.0883, 0.2552, 0.2006

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.



68.0726, 0.3251, 0.2548



68.0726, 0.3534, 0.4471



68.0726, 0.2197, 0.2310

Square

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



68.0726, 0.3534, 0.4471



68.0726, 0.2056, 0.2996



68.0726, 0.2633, 0.2329



68.0726, 0.4328, 0.3394

Rectangle

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



68.0726, 0.3534, 0.4471



68.0726, 0.2531, 0.3870



68.0726, 0.2633, 0.2329



68.0726, 0.3691, 0.2786

Sweetspot

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



68.0756, 0.3534, 0.4471



96.0900, 0.3254, 0.3620



42.5410, 0.4119, 0.3663



20.4350, 0.3275, 0.3678



0.0000, 0.0000, 0.0000



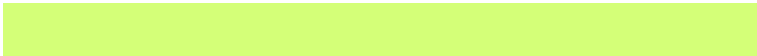
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0756, 0.3534, 0.4471



86.8355, 0.3598, 0.4718



62.5208, 0.3178, 0.4617



16.5740, 0.3218, 0.3526



36.1344, 0.3641, 0.5491



2.7195, 0.3724, 0.5426

Inverse Universe

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



28.0883, 0.2552, 0.2006



28.4117, 0.2398, 0.1709



34.2267, 0.3004, 0.2157



14.1098, 0.3030, 0.3051



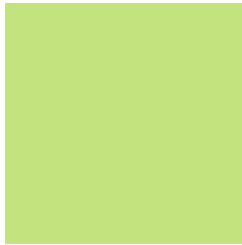
4.1071, 0.1729, 0.0726



0.3519, 0.1888, 0.0814

Previews

White Background



This preview shows how the Yxy color 68.0726, 0.3534, 0.4471 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 68.0726, 0.3534, 0.4471 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 68.0726, 0.3534, 0.4471

Background



This preview shows how black text looks on a background with the Yxy color 68.0726, 0.3534, 0.4471.



This preview shows how white text looks on a background with the Yxy color 68.0726, 0.3534, 0.4471.

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

68.0726, 0.3534, 0.4471

Protanopia

67.8638, 0.3932, 0.4271

Deuteranopia

67.4469, 0.3976, 0.3920



Tritanopia

67.9824, 0.2973, 0.3102

Trichromacy



Original Color

68.0726, 0.3534, 0.4471

Protanomaly

67.4904, 0.3786, 0.4346

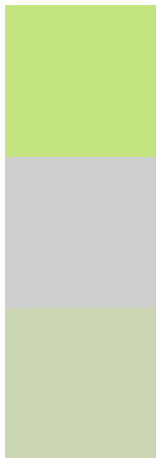
Deuteranomaly

67.2518, 0.3813, 0.4120

Tritanomaly

67.3954, 0.3186, 0.3580

Monochromacy



Original Color

68.0726, 0.3534, 0.4471

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.8240, 0.3293, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0726, 0.3534, 0.4471 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(195, 227, 127)` looks like.

```
.text, #text, p{  
    color:rgb(195, 227, 127)  
}
```

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(195, 227, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 227, 127) }
```

Border

The CSS property to change the border of an element to Yxy 68.0726, 0.3534, 0.4471 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(195, 227, 127) }
```

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

```
.border{ border-color:rgb(195, 227, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 227, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 227, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 227, 127);  
box-shadow:4px 4px 4px 4px rgb(195, 227,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0726, 0.3534, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 227, 127) }
```

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

```
.background{ background-color: rgb(195,  
227, 127) }
```

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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