

Converting Colors

$Yxy(67.1860, 0.3467, 0.4465)$

Have a look what the booklet for
Yxy(67.1860, 0.3467, 0.4465)
contains.

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Color

Yxy(67.2145, 0.3469, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	BCE381
RGB	188, 227, 129
RGB Percent	74%, 89%, 51%
CMY	0.2629, 0.1097, 0.4941
CMYK	0.17, 0.00, 0.43, 0.11
HSL	84°, 64%, 70%
HSV	84°, 43%, 89%
XYZ	52.1627, 67.2145, 30.9908
YIQ	204.1670, 8.2140, -38.7460

Conversions

Conversions Part 2

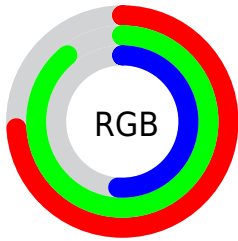
Format	Color
RYB	129, 227, 168
Decimal	12379009
CIELab	85.61, -28.62, 43.63
CIELCh	86, 52.182, 123.260
Yxy	67.2145, 0.3469, 0.4470
Android (android.graphics.Color)	4290569089 (0xFFBCE381)
YUV	204.1670, -37.0573, -14.1785
Hunter-Lab	81.9844, -29.9020, 34.9770

Details

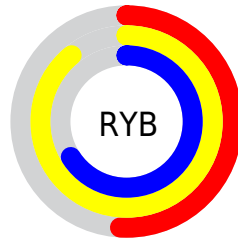
The Yxy color **67.2145, 0.3469, 0.4470** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **29.5768, 0.2633, 0.2056**, and the grayscale version is **60.7264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5317, 0.3494, 0.4013**, and **34.6482, 0.3524, 0.4773** is the 20% darker color. If you saturate the color by 10%, you get **65.5666, 0.3525, 0.4750**, and if you desaturate by 10%, it is **69.0744, 0.3399, 0.4182**.

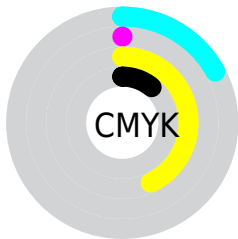
Distribution



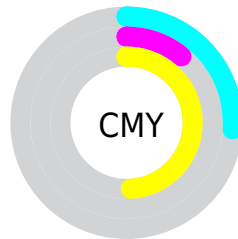
- Red (74%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (66%)



- Cyan (17%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (26%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2145, 0.3469, 0.4470 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 67.2145, 0.3469, 0.4470 by changing the saturation by 10% instead.

 67.2145, 0.3469,
0.4470

 67.2145, 0.3469,
0.4470


450.7079, 0.3331,
0.3896


 49.2590, 0.3493,
0.4606


 115.2277, 0.3427,
0.4266

 34.8250, 0.3518,
0.4775


 146.0542, 0.3408,
0.4188

 23.5281, 0.3542,
0.4990


 181.9398, 0.3392,
0.4122

 14.9839, 0.3557,
0.5269

223.2688, 0.3377,
0.4064

 8.8081, 0.3547,
0.5640

270.4258, 0.3364,
0.4014

 4.6162, 0.3589,
0.6361

323.7950, 0.3352,

 2.0239, 0.3191,

0.3970

0.6809

383.7609, 0.3341,
0.3931

0.6213, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.2145, 0.3469,
0.4470

67.2145, 0.3469,
0.4470

65.5666, 0.3525,
0.4750

69.0744, 0.3399,
0.4182

64.1115, 0.3563,
0.5009


71.1470, 0.3321,
0.3897

62.8408, 0.3579,
0.5233

73.4438, 0.3238,
0.3624

61.7415, 0.3570,
0.5411

75.9731, 0.3154,
0.3367

 60.7981, 0.3538,
0.5537

 78.7426, 0.3071,
0.3131

 60.2277, 0.3506,
0.5598

 81.0847, 0.3054,
0.3012

 82.7272, 0.3115,
0.3017

 83.4264, 0.3140,
0.3019

Harmonies

Analogous

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



67.2145, 0.4033, 0.4331



67.2145, 0.3469, 0.4470



67.2145, 0.2843, 0.4192

Triad

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



67.2145, 0.3469, 0.4470



67.2145, 0.2007, 0.2491



67.2145, 0.3956, 0.2971

Complementary

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



67.2145, 0.3469, 0.4470



29.5768, 0.2633, 0.2056

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.



67.2145, 0.3322, 0.2581



67.2145, 0.3469, 0.4470



67.2145, 0.2231, 0.2300

Square

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



67.2145, 0.3469, 0.4470



67.2145, 0.2036, 0.2934



67.2145, 0.2691, 0.2341



67.2145, 0.4356, 0.3447

Rectangle

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



67.2145, 0.3469, 0.4470



67.2145, 0.2477, 0.3802



67.2145, 0.2691, 0.2341



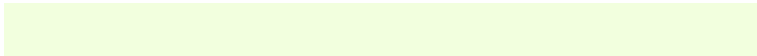
67.2145, 0.3759, 0.2828

Sweetspot

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



67.2175, 0.3469, 0.4470



95.6262, 0.3237, 0.3621



45.3983, 0.4058, 0.3730



20.3201, 0.3256, 0.3681



0.0000, 0.0000, 0.0000



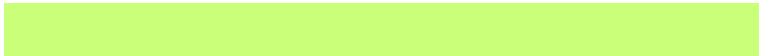
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2175, 0.3469, 0.4470



85.5147, 0.3521, 0.4727



62.1443, 0.3135, 0.4603



16.5157, 0.3206, 0.3526



35.1893, 0.3516, 0.5591



2.6540, 0.3613, 0.5513

Inverse Universe

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



29.5768, 0.2633, 0.2056



30.3787, 0.2497, 0.1773



35.7812, 0.3069, 0.2200



14.1659, 0.3042, 0.3051



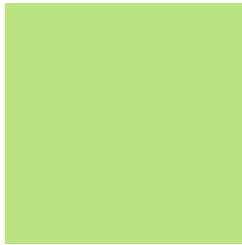
4.5788, 0.1845, 0.0790



0.3911, 0.2009, 0.0880

Previews

White Background



This preview shows how the Yxy color 67.2145, 0.3469, 0.4470 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 67.2145, 0.3469, 0.4470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

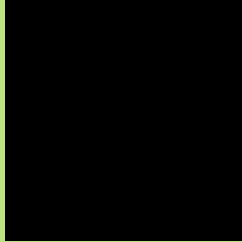
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.2145, 0.3469, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 67.2145, 0.3469, 0.4470.

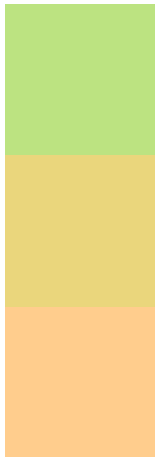


This preview shows how white text looks on a background with the Yxy color 67.2145, 0.3469, 0.4470.

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

67.2145, 0.3469, 0.4470

Protanopia

67.0408, 0.3914, 0.4259

Deuteranopia

66.8457, 0.4011, 0.3950



Tritanopia

66.9836, 0.2925, 0.3099

Trichromacy



Original Color

67.2145, 0.3469, 0.4470

Protanomaly

66.9211, 0.3742, 0.4339

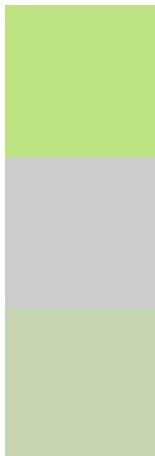
Deuteranomaly

66.3836, 0.3808, 0.4126

Tritanomaly

66.4735, 0.3128, 0.3572

Monochromacy



Original Color

67.2145, 0.3469, 0.4470

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.2671, 0.3265, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2145, 0.3469, 0.4470 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, 227, 129)` looks like.

```
.text, #text, p{  
    color:rgb(188, 227, 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(188, 227, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 227, 129) }
```

Border

The CSS property to change the border of an element to Yxy 67.2145, 0.3469, 0.4470 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, 227, 129) }
```

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

```
.border{ border-color:rgb(188, 227, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 227, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 227, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 227, 129);  
box-shadow:4px 4px 4px 4px rgb(188, 227,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2145, 0.3469, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 227, 129) }
```

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

```
.background{ background-color: rgb(188,  
227, 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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