

Converting Colors

$Yxy(68.0250, 0.3303, 0.4592)$

Have a look what the booklet for
Yxy(68.0250, 0.3303, 0.4592)
contains.

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Color

Yxy(68.0783, 0.3304, 0.4586)

Conversions

Conversions Part 1

Format	Color
Hex	A7E981
RGB	167, 233, 129
RGB Percent	65%, 91%, 51%
CMY	0.3449, 0.0863, 0.4941
CMYK	0.28, 0.00, 0.45, 0.09
HSL	98°, 70%, 71%
HSV	98°, 45%, 91%
XYZ	49.0473, 68.0783, 31.3225
YIQ	201.4100, -5.9520, -46.3360

Conversions

Conversions Part 2

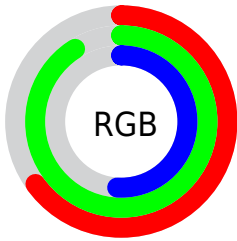
Format	Color
RYB	129, 233, 195
Decimal	11004289
CIELab	86.05, -38.80, 43.91
CIELCh	86, 58.602, 131.465
Yxy	68.0783, 0.3304, 0.4586
Android (android.graphics.Color)	4289194369 (0xFFA7E981)
YUV	201.4100, -35.6981, -30.1776
Hunter-Lab	82.5096, -38.2837, 35.2488

Details

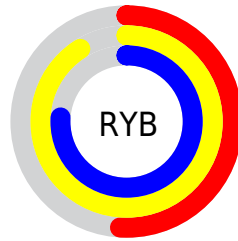
The Yxy color **68.0783, 0.3304, 0.4586** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.1754, 0.2827, 0.2082**, and the grayscale version is **58.9141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7862, 0.3347, 0.4049**, and **35.4248, 0.3308, 0.4935** is the 20% darker color. If you saturate the color by 10%, you get **66.0119, 0.3321, 0.4902**, and if you desaturate by 10%, it is **70.4756, 0.3275, 0.4268**.

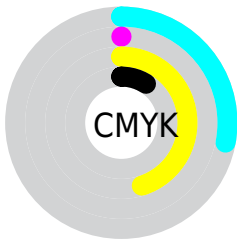
Distribution



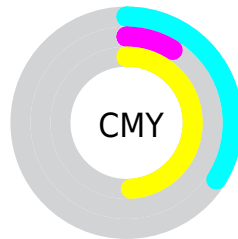
- Red (65%)
- Green (91%)
- Blue (51%)



- Red (51%)
- Yellow (91%)
- Blue (76%)



- Cyan (28%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)




- Cyan (34%)
- Magenta (9%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0783, 0.3304, 0.4586 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 68.0783, 0.3304, 0.4586 by changing the saturation by 10% instead.


 68.0783, 0.3304,
0.4586


 68.0783, 0.3304,
0.4586


453.7734, 0.3248,
0.3947


 49.9614, 0.3308,
0.4739


 116.4642, 0.3291,
0.4358

 35.3828, 0.3308,
0.4932


 147.5019, 0.3284,
0.4271

 23.9579, 0.3298,
0.5179


 183.6155, 0.3277,
0.4197

 15.3024, 0.3269,
0.5504

225.1892, 0.3271,
0.4133

 9.0319, 0.3195,
0.5943

272.6074, 0.3265,
0.4077

 4.7620, 0.3126,
0.6776

326.2546, 0.3259,

 2.1083, 0.2601,

0.4029

0.7399

386.5151, 0.3253,
0.3986

0.6693, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.0783, 0.3304,
0.4586

68.0783, 0.3304,
0.4586

66.0119, 0.3321,
0.4902

70.4756, 0.3275,
0.4268

64.2517, 0.3323,
0.5197

73.2097, 0.3237,
0.3959


62.7833, 0.3307,
0.5454


76.2972, 0.3194,
0.3670


61.5869, 0.3273,
0.5656

79.7510, 0.3149,
0.3404

 60.6397, 0.3224,
0.5793

 83.5833, 0.3102,
0.3165

 60.2185, 0.3195,
0.5846

 86.7540, 0.3137,
0.3078

Harmonies

Analogous

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



68.0783, 0.3969, 0.4526



68.0783, 0.3304, 0.4586



68.0783, 0.2628, 0.4146

Triad

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



68.0783, 0.3304, 0.4586



68.0783, 0.1934, 0.2317



68.0783, 0.4213, 0.3067

Complementary

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



68.0783, 0.3304, 0.4586



33.1754, 0.2827, 0.2082

Split Complementary

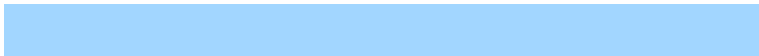
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.0783, 0.3545, 0.2611



68.0783, 0.3304, 0.4586



68.0783, 0.2250, 0.2189

Square

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



68.0783, 0.3304, 0.4586



68.0783, 0.1887, 0.2722



68.0783, 0.2816, 0.2299



68.0783, 0.4548, 0.3597

Rectangle

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



68.0783, 0.3304, 0.4586



68.0783, 0.2263, 0.3655



68.0783, 0.2816, 0.2299



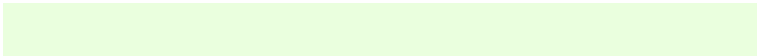
68.0783, 0.4016, 0.2903

Sweetspot

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



68.0812, 0.3304, 0.4586



94.2756, 0.3187, 0.3627



57.8757, 0.3966, 0.4023



19.9874, 0.3197, 0.3688



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.



68.0812, 0.3304, 0.4586



81.1035, 0.3321, 0.4890



64.9200, 0.2991, 0.4501



17.1305, 0.3171, 0.3530



34.2357, 0.3205, 0.5837



2.7412, 0.3313, 0.5752

Inverse Universe

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



33.1754, 0.2827, 0.2082



32.9347, 0.2738, 0.1822



38.1437, 0.3308, 0.2326



15.0222, 0.3079, 0.3054



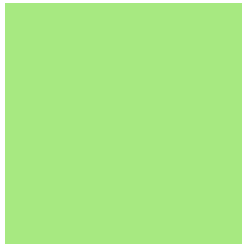
6.9683, 0.2309, 0.1046



0.6014, 0.2434, 0.1114

Previews

White Background



This preview shows how the Yxy color 68.0783, 0.3304, 0.4586 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 68.0783, 0.3304, 0.4586 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 68.0783, 0.3304, 0.4586

Background



This preview shows how black text looks on a background with the Yxy color 68.0783, 0.3304, 0.4586.

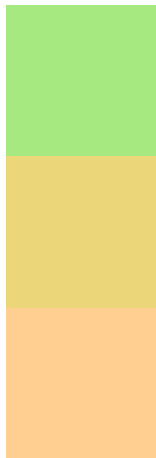


This preview shows how white text looks on a background with the Yxy color 68.0783, 0.3304, 0.4586.

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

68.0783, 0.3304, 0.4586

Protanopia

67.1604, 0.3935, 0.4275

Deuteranopia

67.4469, 0.3976, 0.3920



Tritanopia

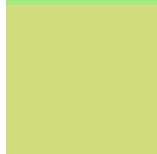
67.5498, 0.2775, 0.3084

Trichromacy



Original Color

68.0783, 0.3304, 0.4586



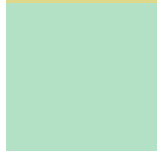
Protanomaly

66.8952, 0.3684, 0.4390



Deuteranomaly

66.6638, 0.3717, 0.4155



Tritanomaly

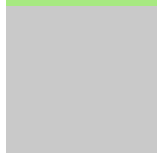
67.3926, 0.2977, 0.3616

Monochromacy



Original Color

68.0783, 0.3304, 0.4586



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.5025, 0.3209, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0783, 0.3304, 0.4586 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(167, 233, 129)` looks like.

```
.text, #text, p{  
    color:rgb(167, 233, 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(167, 233, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 233, 129) }
```

Border

The CSS property to change the border of an element to Yxy 68.0783, 0.3304, 0.4586 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(167, 233, 129) }
```

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

```
.border{ border-color:rgb(167, 233, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 233, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 233, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 233, 129);  
box-shadow:4px 4px 4px 4px rgb(167, 233,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0783, 0.3304, 0.4586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 233, 129) }
```

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

```
.background{ background-color: rgb(167,  
233, 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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