

Converting Colors

Yxy(69.8076, 0.3385, 0.4658)

Have a look what the booklet for
Yxy(69.8076, 0.3385, 0.4658)
contains.

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Color

Yxy(69.8205, 0.3385, 0.4664)

Conversions

Conversions Part 1

Format	Color
Hex	AEEB7A
RGB	174, 235, 122
RGB Percent	68%, 92%, 48%
CMY	0.3177, 0.0784, 0.5217
CMYK	0.26, 0.00, 0.48, 0.08
HSL	92°, 74%, 70%
HSV	92°, 48%, 92%
XYZ	50.6738, 69.8205, 29.2066
YIQ	203.8790, -0.0830, -48.0750

Conversions

Conversions Part 2

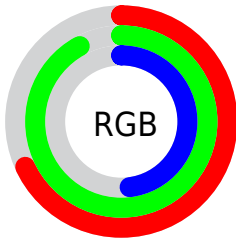
Format	Color
RYB	122, 235, 183
Decimal	11463546
CIELab	86.91, -38.14, 48.44
CIELCh	87, 61.657, 128.213
Yxy	69.8205, 0.3385, 0.4664
Android (android.graphics.Color)	4289653626 (0xFFAEEB7A)
YUV	203.8790, -40.3663, -26.2039
Hunter-Lab	83.5587, -37.9772, 37.7672

Details

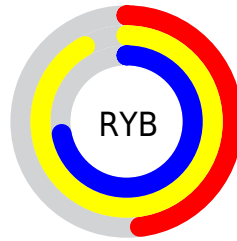
The Yxy color **69.8205, 0.3385, 0.4664** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **29.9749, 0.2699, 0.1951**, and the grayscale version is **60.5617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8104, 0.3441, 0.4109**, and **36.6043, 0.3402, 0.5015** is the 20% darker color. If you saturate the color by 10%, you get **67.9211, 0.3410, 0.4960**, and if you desaturate by 10%, it is **72.0044, 0.3345, 0.4358**.

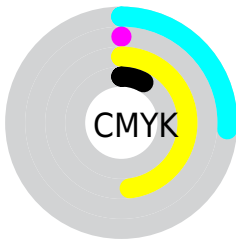
Distribution



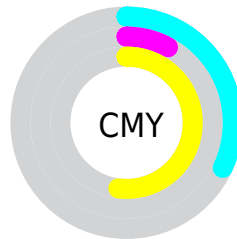
- Red (68%)
- Green (92%)
- Blue (48%)



- Red (48%)
- Yellow (92%)
- Blue (72%)



- Cyan (26%)
- Magenta (0%)
- Yellow (48%)
- Black (8%)





- Cyan (32%)
- Magenta (8%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8205, 0.3385, 0.4664 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 69.8205, 0.3385, 0.4664 by changing the saturation by 10% instead.


 69.8205, 0.3385,
0.4664


 69.8205, 0.3385,
0.4664

459.9195, 0.3296,
0.3993


 51.3802, 0.3395,
0.4823


 118.9527, 0.3362,
0.4426

 36.5113, 0.3401,
0.5020

 150.4135, 0.3351,
0.4335

 24.8293, 0.3398,
0.5270


 186.9832, 0.3340,
0.4257

 15.9499, 0.3374,
0.5594

229.0462, 0.3330,
0.4189

 9.4887, 0.3304,
0.6020

276.9869, 0.3321,
0.4131

 5.0613, 0.3222,
0.6778


331.1898, 0.3312,

 2.2833, 0.2708,


0.4079

0.7292


392.0392, 0.3304,
0.4033


 0.7648, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 69.8205, 0.3385,
0.4664


 69.8205, 0.3385,
0.4664


 67.9211, 0.3410,
0.4960

 72.0044, 0.3345,
0.4358

 66.2831, 0.3417,
0.5229

 74.4766, 0.3294,
0.4054

 64.8936, 0.3402,
0.5456


 77.2521, 0.3237,
0.3764

 63.7347, 0.3366,
0.5628


 80.3423, 0.3177,
0.3493

 62.7827, 0.3314,
0.5741

 83.7577, 0.3116,
0.3245

 62.6195, 0.3303,
0.5759

 86.9843, 0.3104,
0.3095

 87.9014, 0.3136,
0.3097

Harmonies

Analogous

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



69.8205, 0.4064, 0.4540



69.8205, 0.3385, 0.4664



69.8205, 0.2675, 0.4260

Triad

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



69.8205, 0.3385, 0.4664



69.8205, 0.1872, 0.2309



69.8205, 0.4197, 0.3000

Complementary

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



69.8205, 0.3385, 0.4664



29.9749, 0.2699, 0.1951

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.



69.8205, 0.3477, 0.2541



69.8205, 0.3385, 0.4664



69.8205, 0.2168, 0.2150

Square

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



69.8205, 0.3385, 0.4664



69.8205, 0.1854, 0.2759



69.8205, 0.2727, 0.2240



69.8205, 0.4593, 0.3541

Rectangle

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



69.8205, 0.3385, 0.4664



69.8205, 0.2281, 0.3759



69.8205, 0.2727, 0.2240



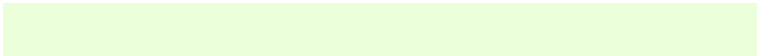
69.8205, 0.3979, 0.2834

Sweetspot

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



69.8235, 0.3385, 0.4664



94.4370, 0.3213, 0.3652



52.6287, 0.4106, 0.3961



20.0445, 0.3226, 0.3712



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.



69.8235, 0.3385, 0.4664



81.7172, 0.3410, 0.4964



65.0561, 0.3038, 0.4764



17.2018, 0.3185, 0.3529



34.9219, 0.3315, 0.5750



2.7988, 0.3422, 0.5665

Inverse Universe

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



29.9749, 0.2699, 0.1951



28.3124, 0.2578, 0.1667



37.3577, 0.3217, 0.2158



14.9494, 0.3064, 0.3053



5.9196, 0.2104, 0.0933



0.5220, 0.2249, 0.1012

Previews

White Background



This preview shows how the Yxy color 69.8205, 0.3385, 0.4664 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 69.8205, 0.3385, 0.4664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

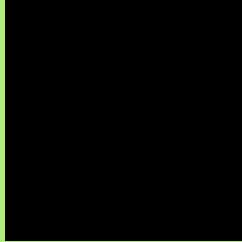
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8205, 0.3385, 0.4664

Background



This preview shows how black text looks on a background with the Yxy color 69.8205, 0.3385, 0.4664.



This preview shows how white text looks on a background with the Yxy color 69.8205, 0.3385, 0.4664.

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

69.8205, 0.3385, 0.4664

Protanopia

69.2374, 0.3989, 0.4345

Deuteranopia

69.0953, 0.3919, 0.3889



Tritanopia

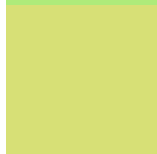
69.6102, 0.2809, 0.3087

Trichromacy



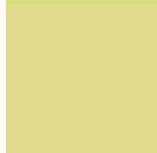
Original Color

69.8205, 0.3385, 0.4664



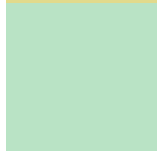
Protanomaly

69.0664, 0.3752, 0.4472



Deuteranomaly

68.2050, 0.3727, 0.4156



Tritanomaly

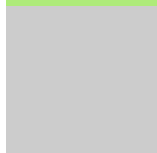
69.2837, 0.3029, 0.3646

Monochromacy



Original Color

69.8205, 0.3385, 0.4664



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.9943, 0.3243, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8205, 0.3385, 0.4664 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(174, 235, 122)` looks like.

```
.text, #text, p{  
    color:rgb(174, 235, 122)  
}
```

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(174, 235, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 235, 122) }
```

Border

The CSS property to change the border of an element to Yxy 69.8205, 0.3385, 0.4664 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(174, 235, 122) }
```

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

```
.border{ border-color:rgb(174, 235, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 235, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 235, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 235, 122);  
box-shadow:4px 4px 4px 4px rgb(174, 235,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8205, 0.3385, 0.4664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 235, 122) }
```

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

```
.background{ background-color: rgb(174,  
235, 122) }
```

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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