

Converting Colors

$Yxy(67.9208, 0.3526, 0.5052)$

Have a look what the booklet for
Yxy(67.9208, 0.3526, 0.5052)
contains.

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Color

Yxy(67.9365, 0.3524, 0.5048)

Conversions

Conversions Part 1

Format	Color
Hex	A9EA55
RGB	169, 234, 85
RGB Percent	66%, 92%, 33%
CMY	0.3373, 0.0823, 0.6665
CMYK	0.28, 0.00, 0.64, 0.08
HSL	86°, 78%, 63%
HSV	86°, 64%, 92%
XYZ	47.4264, 67.9365, 19.2182
YIQ	197.5790, 9.0890, -60.1190

Conversions

Conversions Part 2

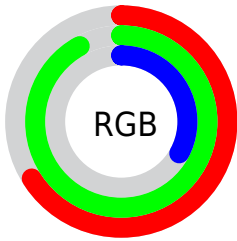
Format	Color
RYB	85, 234, 150
Decimal	11135573
CIELab	85.97, -42.97, 63.63
CIELCh	86, 76.778, 124.029
Yxy	67.9365, 0.3524, 0.5048
Android (android.graphics.Color)	4289325653 (0xFFA9EA55)
YUV	197.5790, -55.5014, -25.0638
Hunter-Lab	82.4236, -41.5328, 43.8723

Details

The Yxy color **67.9365, 0.3524, 0.5048** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **18.9359, 0.2370, 0.1462**, and the grayscale version is **56.5468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7443, 0.3604, 0.4482**, and **35.3435, 0.3528, 0.5482** is the 20% darker color. If you saturate the color by 10%, you get **66.5410, 0.3533, 0.5277**, and if you desaturate by 10%, it is **69.5492, 0.3493, 0.4783**.

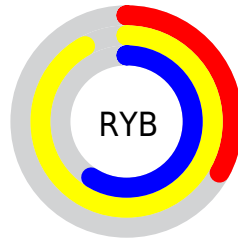
Distribution



Red (66%)

Green (92%)

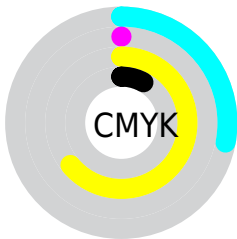
Blue (33%)



Red (33%)

Yellow (92%)

Blue (59%)

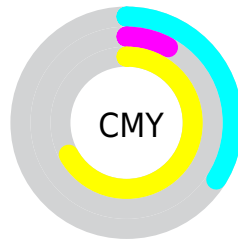


Cyan (28%)

Magenta (0%)

Yellow (64%)

Black (8%)



Cyan (34%)


Magenta (8%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9365, 0.3524, 0.5048 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 67.9365, 0.3524, 0.5048 by changing the saturation by 10% instead.


 67.9365, 0.3524,
0.5048

 67.9365, 0.3524,
0.5048


453.2710, 0.3398,
0.4195

 49.8461, 0.3532,
0.5243

 116.2613, 0.3496,
0.4750


 35.2911, 0.3530,
0.5479


 147.2645, 0.3480,
0.4634

 23.8872, 0.3505,
0.5768


 183.3407, 0.3464,
0.4534

 15.2500, 0.3438,
0.6121

 224.8743, 0.3449,
0.4448

 8.9950, 0.3341,
0.6659

272.2497, 0.3435,
0.4373

 4.7379, 0.2965,
0.7035

325.8514, 0.3422,

 2.0943, 0.2318,

0.4306

0.7682

386.0637, 0.3409,
0.4248

0.6614, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.9365, 0.3524,
0.5048

67.9365, 0.3524,
0.5048

66.5410, 0.3533,
0.5277

69.5492, 0.3493,
0.4783

65.3390, 0.3517,
0.5459


71.3829, 0.3444,
0.4497

64.3161, 0.3479,
0.5587


73.4523, 0.3382,
0.4204


63.7437, 0.3447,
0.5645

75.7680, 0.3310,
0.3915

 78.3399, 0.3233,
0.3638

 81.1772, 0.3155,
0.3379

 84.2888, 0.3079,
0.3141

 86.5209, 0.3108,
0.3086

 87.3277, 0.3137,
0.3088

Harmonies

Analogous

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



67.9365, 0.4337, 0.4736



67.9365, 0.3524, 0.5048



67.9365, 0.2654, 0.4661

Triad

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



67.9365, 0.3524, 0.5048



67.9365, 0.1596, 0.2133



67.9365, 0.4359, 0.2832

Complementary

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



67.9365, 0.3524, 0.5048



18.9359, 0.2370, 0.1462

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.



67.9365, 0.3414, 0.2319



67.9365, 0.3524, 0.5048



67.9365, 0.1893, 0.1920

Square

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



67.9365, 0.3524, 0.5048



67.9365, 0.1610, 0.2708



67.9365, 0.2511, 0.1997



67.9365, 0.4924, 0.3453

Rectangle

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



67.9365, 0.3524, 0.5048



67.9365, 0.2159, 0.4027



67.9365, 0.2511, 0.1997



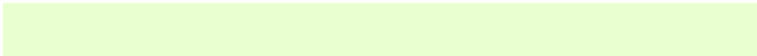
67.9365, 0.4065, 0.2645

Sweetspot

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



67.9395, 0.3524, 0.5048



93.4710, 0.3275, 0.3787



39.8348, 0.4637, 0.3979



19.8181, 0.3297, 0.3867



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.



67.9395, 0.3524, 0.5048



80.4524, 0.3531, 0.5332



61.9365, 0.3074, 0.5321



17.2809, 0.3201, 0.3527



35.8950, 0.3458, 0.5637



2.8754, 0.3555, 0.5559

Inverse Universe

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



18.9359, 0.2370, 0.1462



16.6694, 0.2185, 0.1155



28.3054, 0.3095, 0.1793



14.8705, 0.3048, 0.3051



5.0011, 0.1907, 0.0824



0.4487, 0.2062, 0.0909

Previews

White Background



This preview shows how the Yxy color 67.9365, 0.3524, 0.5048 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 67.9365, 0.3524, 0.5048 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 67.9365, 0.3524, 0.5048

Background



This preview shows how black text looks on a background with the Yxy color 67.9365, 0.3524, 0.5048.

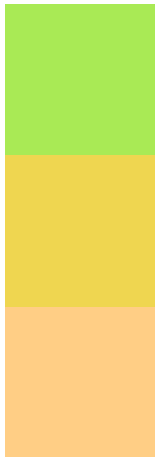


This preview shows how white text looks on a background with the Yxy color 67.9365, 0.3524, 0.5048.

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

67.9365, 0.3524, 0.5048

Protanopia

67.0230, 0.4201, 0.4609

Deuteranopia

67.0961, 0.4064, 0.4037



Tritanopia

67.5963, 0.2811, 0.3085

Trichromacy



Original Color

67.9365, 0.3524, 0.5048



Protanomaly

66.6182, 0.3946, 0.4770



Deuteranomaly

66.2200, 0.3874, 0.4389



Tritanomaly

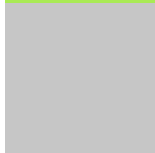
66.6338, 0.3103, 0.3802

Monochromacy



Original Color

67.9365, 0.3524, 0.5048



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.5876, 0.3320, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9365, 0.3524, 0.5048 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(169, 234, 85)` looks like.

```
.text, #text, p{  
    color:rgb(169, 234, 85)  
}
```

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(169, 234, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 234, 85) }
```

Border

The CSS property to change the border of an element to Yxy 67.9365, 0.3524, 0.5048 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(169, 234, 85) }
```

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

```
.border{ border-color:rgb(169, 234, 85) }
```

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

Here you see how a box with a 4 pixel rgb(169, 234, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 234, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 234, 85);  
box-shadow:4px 4px 4px 4px rgb(169, 234,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9365, 0.3524, 0.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 234, 85) }
```

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

```
.background{ background-color: rgb(169,  
234, 85) }
```

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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