

Converting Colors

$Yxy(68.0365, 0.3543, 0.5191)$

Have a look what the booklet for
Yxy(68.0365, 0.3543, 0.5191)
contains.

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Color

Yxy(67.8709, 0.3543, 0.5187)

Conversions

Conversions Part 1

Format	Color
Hex	A5EB47
RGB	165, 235, 71
RGB Percent	65%, 92%, 28%
CMY	0.3530, 0.0784, 0.7216
CMYK	0.30, 0.00, 0.70, 0.08
HSL	86°, 80%, 60%
HSV	86°, 70%, 92%
XYZ	46.3595, 67.8709, 16.6177
YIQ	195.3740, 10.9240, -65.8440

Conversions

Conversions Part 2

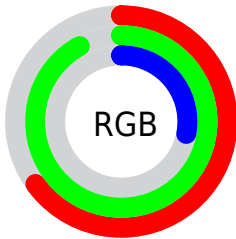
Format	Color
RYB	71, 235, 141
Decimal	10873671
CIELab	85.94, -45.82, 68.88
CIElCh	86, 82.729, 123.633
Yxy	67.8709, 0.3543, 0.5187
Android (android.graphics.Color)	4289063751 (0xFFA5EB47)
YUV	195.3740, -61.3164, -26.6380
Hunter-Lab	82.3838, -43.7251, 45.7092

Details

The Yxy color **67.8709, 0.3543, 0.5187** 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 **16.1710, 0.2266, 0.1297**, and the grayscale version is **55.1755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9258, 0.3644, 0.4603**, and **35.3660, 0.3510, 0.5595** is the 20% darker color. If you saturate the color by 10%, you get **66.5942, 0.3538, 0.5387**, and if you desaturate by 10%, it is **69.3546, 0.3524, 0.4944**.

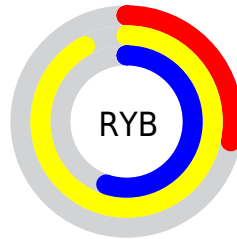
Distribution



Red (65%)

Green (92%)

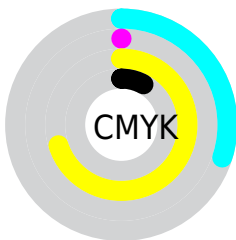
Blue (28%)



Red (28%)

Yellow (92%)

Blue (55%)

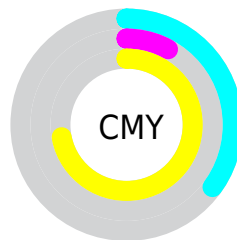


Cyan (30%)

Magenta (0%)

Yellow (70%)

Black (8%)



Cyan (35%)


Magenta (8%)


Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8709, 0.3543, 0.5187 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 67.8709, 0.3543, 0.5187 by changing the saturation by 10% instead.


 67.8709, 0.3543,
0.5187

 67.8709, 0.3543,
0.5187

453.0385, 0.3421,
0.4270

 49.7927, 0.3545,
0.5393


 116.1674, 0.3520,
0.4869


 35.2487, 0.3533,
0.5640


 147.1546, 0.3505,
0.4744


 23.8545, 0.3493,
0.5938


 183.2135, 0.3490,
0.4637

 15.2257, 0.3403,
0.6298

 224.7286, 0.3475,
0.4544

 8.9780, 0.3235,
0.6765

 272.0842, 0.3460,
0.4463

 4.7268, 0.2834,
0.7166

325.6648, 0.3446,

 2.0879, 0.2112,

0.4391

0.7888

385.8548, 0.3433,
0.4327

0.6578, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.8709, 0.3543,
0.5187

67.8709, 0.3543,
0.5187

66.5942, 0.3538,
0.5387

69.3546, 0.3524,
0.4944

65.4993, 0.3510,
0.5534

71.0503, 0.3484,
0.4671


64.5634, 0.3462,
0.5632


72.9732, 0.3428,
0.4382


64.5447, 0.3461,
0.5634


75.1346, 0.3359,
0.4090

 77.5448, 0.3284,
0.3806

 80.2134, 0.3205,
0.3536

 83.1495, 0.3125,
0.3285

 86.1006, 0.3072,
0.3093

 87.9018, 0.3136,
0.3097

Harmonies

Analogous

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



67.8709, 0.4410, 0.4810



67.8709, 0.3543, 0.5187



67.8709, 0.2619, 0.4797

Triad

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



67.8709, 0.3543, 0.5187



67.8709, 0.1505, 0.2057



67.8709, 0.4441, 0.2787

Complementary

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



67.8709, 0.3543, 0.5187



16.1710, 0.2266, 0.1297

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.



67.8709, 0.3416, 0.2251



67.8709, 0.3543, 0.5187



67.8709, 0.1810, 0.1838

Square

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



67.8709, 0.3543, 0.5187



67.8709, 0.1519, 0.2666



67.8709, 0.2454, 0.1917



67.8709, 0.5054, 0.3435

Rectangle

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



67.8709, 0.3543, 0.5187



67.8709, 0.2094, 0.4102



67.8709, 0.2454, 0.1917



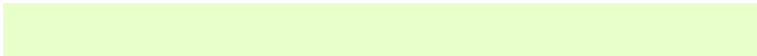
67.8709, 0.4121, 0.2592

Sweetspot

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



67.8739, 0.3543, 0.5187



92.9366, 0.3294, 0.3842



36.6821, 0.4854, 0.3985



19.7159, 0.3315, 0.3920



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.



67.8739, 0.3543, 0.5187



79.5221, 0.3528, 0.5461



61.7926, 0.3074, 0.5496



17.2882, 0.3202, 0.3527



35.9958, 0.3472, 0.5626



2.8831, 0.3568, 0.5549

Inverse Universe

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



16.1710, 0.2266, 0.1297



13.7188, 0.2059, 0.0995



25.9314, 0.3059, 0.1681



14.8633, 0.3047, 0.3051



4.9288, 0.1891, 0.0815



0.4427, 0.2046, 0.0901

Previews

White Background



This preview shows how the Yxy color 67.8709, 0.3543, 0.5187 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 67.8709, 0.3543, 0.5187 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 67.8709, 0.3543, 0.5187

Background



This preview shows how black text looks on a background with the Yxy color 67.8709, 0.3543, 0.5187.



This preview shows how white text looks on a background with the Yxy color 67.8709, 0.3543, 0.5187.

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

67.8709, 0.3543, 0.5187

Protanopia

67.0117, 0.4268, 0.4691

Deuteranopia

67.0143, 0.4085, 0.4065



Tritanopia

67.2166, 0.2792, 0.3084

Trichromacy



Original Color

67.8709, 0.3543, 0.5187



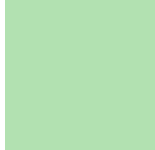
Protanomaly

66.8060, 0.3989, 0.4880



Deuteranomaly

66.2594, 0.3894, 0.4472



Tritanomaly

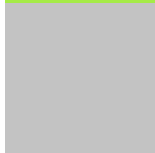
66.4897, 0.3106, 0.3881

Monochromacy



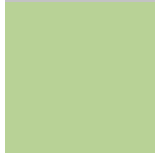
Original Color

67.8709, 0.3543, 0.5187



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.4855, 0.3346, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8709, 0.3543, 0.5187 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(165, 235, 71)` looks like.

```
.text, #text, p{  
    color:rgb(165, 235, 71)  
}
```

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(165, 235, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 235, 71) }
```

Border

The CSS property to change the border of an element to Yxy 67.8709, 0.3543, 0.5187 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(165, 235, 71) }
```

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

```
.border{ border-color:rgb(165, 235, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 235, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 235, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 235, 71);  
box-shadow:4px 4px 4px 4px rgb(165, 235,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8709, 0.3543, 0.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 235, 71) }
```

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

```
.background{ background-color: rgb(165,  
235, 71) }
```

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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