

Converting Colors

Yxy(68.9332, 0.3590, 0.5110)

Have a look what the booklet for
Yxy(68.9332, 0.3590, 0.5110)
contains.

Yxy(68.9371, 0.3590, 0.5107)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.9371, 0.3590, 0.5107)

Conversions

Conversions Part 1

Format	Color
Hex	AEEB4C
RGB	174, 235, 76
RGB Percent	68%, 92%, 30%
CMY	0.3178, 0.0784, 0.7020
CMYK	0.26, 0.00, 0.68, 0.08
HSL	83°, 80%, 61%
HSV	83°, 68%, 92%
XYZ	48.4598, 68.9371, 17.5886
YIQ	198.6350, 14.6830, -62.3810

Conversions

Conversions Part 2

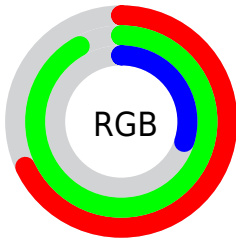
Format	Color
RYB	76, 235, 137
Decimal	11463500
CIELab	86.47, -42.25, 67.75
CIELCh	86, 79.850, 121.949
Yxy	68.9371, 0.3590, 0.5107
Android (android.graphics.Color)	4289653580 (0xFFAEEB4C)
YUV	198.6350, -60.4591, -21.6049
Hunter-Lab	83.0284, -41.1175, 45.5599

Details

The Yxy color **68.9371, 0.3590, 0.5107** 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 **16.4920, 0.2238, 0.1322**, and the grayscale version is **57.2437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5371, 0.3681, 0.4529**, and **36.0221, 0.3598, 0.5525** is the 20% darker color. If you saturate the color by 10%, you get **67.6691, 0.3597, 0.5309**, and if you desaturate by 10%, it is **70.4001, 0.3559, 0.4865**.

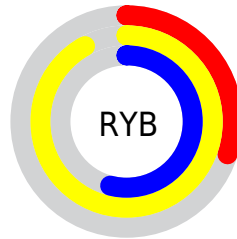
Distribution



Red (68%)

Green (92%)

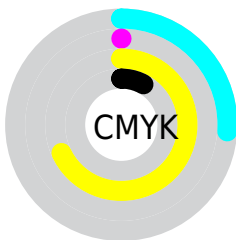
Blue (30%)



Red (30%)

Yellow (92%)

Blue (54%)

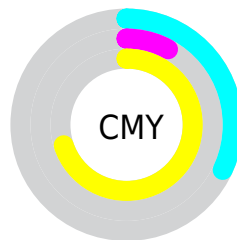


Cyan (26%)

Magenta (0%)

Yellow (68%)

Black (8%)



Cyan (32%)


Magenta (8%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9371, 0.3590, 0.5107 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 68.9371, 0.3590, 0.5107 by changing the saturation by 10% instead.


 68.9371, 0.3590,
0.5107


 68.9371, 0.3590,
0.5107

456.8091, 0.3441,
0.4235

 50.6605, 0.3601,
0.5302


 117.6917, 0.3556,
0.4805


 35.9385, 0.3600,
0.5536


 148.9385, 0.3537,
0.4687


 24.3867, 0.3575,
0.5817


 185.2775, 0.3519,
0.4585

 15.6207, 0.3505,
0.6154

 227.0931, 0.3501,
0.4496

 9.2562, 0.3382,
0.6618

 274.7697, 0.3485,
0.4419

 4.9086, 0.3020,
0.6980

328.6916, 0.3469,

 2.1938, 0.2424,

0.4350

0.7576

389.2433, 0.3455,
0.4289

0.7166, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.9371, 0.3590,
0.5107

68.9371, 0.3590,
0.5107

67.6691, 0.3597,
0.5309

70.4001, 0.3559,
0.4865

66.5720, 0.3578,
0.5461


72.0621, 0.3508,
0.4595


65.6289, 0.3538,
0.5561

73.9376, 0.3442,
0.4310

65.4237, 0.3527,
0.5581


76.0371, 0.3364,
0.4024

 78.3703, 0.3280,
0.3745

 80.9463, 0.3193,
0.3480

 83.7735, 0.3107,
0.3234

 86.2658, 0.3078,
0.3094

 87.9056, 0.3136,
0.3098

Harmonies

Analogous

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



68.9371, 0.4417, 0.4734



68.9371, 0.3590, 0.5107



68.9371, 0.2692, 0.4771

Triad

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



68.9371, 0.3590, 0.5107



68.9371, 0.1546, 0.2124



68.9371, 0.4341, 0.2775

Complementary

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



68.9371, 0.3590, 0.5107



16.4920, 0.2238, 0.1322

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.



68.9371, 0.3350, 0.2261



68.9371, 0.3590, 0.5107



68.9371, 0.1827, 0.1887

Square

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



68.9371, 0.3590, 0.5107



68.9371, 0.1581, 0.2741



68.9371, 0.2435, 0.1948



68.9371, 0.4964, 0.3404

Rectangle

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



68.9371, 0.3590, 0.5107



68.9371, 0.2173, 0.4131



68.9371, 0.2435, 0.1948



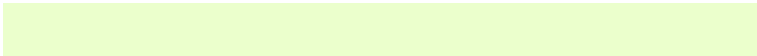
68.9371, 0.4029, 0.2586

Sweetspot

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



68.9401, 0.3590, 0.5107



93.6124, 0.3300, 0.3812



36.0654, 0.4837, 0.3919



19.8652, 0.3324, 0.3890



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.



68.9401, 0.3590, 0.5107



80.9298, 0.3593, 0.5371



62.3563, 0.3102, 0.5420



17.3214, 0.3209, 0.3527



36.4815, 0.3537, 0.5573



2.9197, 0.3627, 0.5502

Inverse Universe

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



16.4920, 0.2238, 0.1322



13.9424, 0.2032, 0.1012



25.8376, 0.3008, 0.1688



14.8309, 0.3040, 0.3051



4.6229, 0.1821, 0.0777



0.4168, 0.1975, 0.0862

Previews

White Background



This preview shows how the Yxy color 68.9371, 0.3590, 0.5107 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 68.9371, 0.3590, 0.5107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

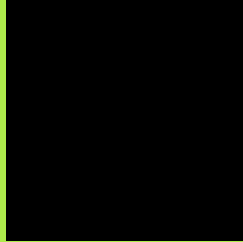
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9371, 0.3590, 0.5107

Background



This preview shows how black text looks on a background with the Yxy color 68.9371, 0.3590, 0.5107.

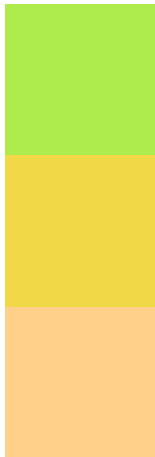


This preview shows how white text looks on a background with the Yxy color 68.9371, 0.3590, 0.5107.

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

68.9371, 0.3590, 0.5107

Protanopia

68.2674, 0.4241, 0.4672

Deuteranopia

68.1779, 0.4025, 0.4017



Tritanopia

68.7702, 0.2844, 0.3098

Trichromacy



Original Color

68.9371, 0.3590, 0.5107



Protanomaly

68.0081, 0.3995, 0.4834



Deuteranomaly

67.5494, 0.3886, 0.4409



Tritanomaly

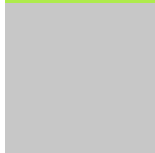
67.6296, 0.3163, 0.3857

Monochromacy



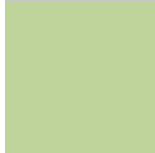
Original Color

68.9371, 0.3590, 0.5107



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.3672, 0.3362, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9371, 0.3590, 0.5107 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(174, 235, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 235, 76) }
```

Border

The CSS property to change the border of an element to Yxy 68.9371, 0.3590, 0.5107 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, 76) }
```

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

```
.border{ border-color:rgb(174, 235, 76) }
```

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, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 235, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 235, 76);  
box-shadow:4px 4px 4px 4px rgb(174, 235,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9371, 0.3590, 0.5107 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, 76) }
```

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

```
.background{ background-color: rgb(174,  
235, 76) }
```

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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