

Converting Colors

$Y_{xy}(71.0955, 0.3532, 0.4918)$

Have a look what the booklet for
Yxy(71.0955, 0.3532, 0.4918)
contains.

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Color

Yxy(71.0151, 0.3535, 0.4919)

Conversions

Conversions Part 1

Format	Color
Hex	B3ED61
RGB	179, 237, 97
RGB Percent	70%, 93%, 38%
CMY	0.2980, 0.0706, 0.6197
CMYK	0.24, 0.00, 0.59, 0.07
HSL	85°, 80%, 65%
HSV	85°, 59%, 93%
XYZ	51.0344, 71.0151, 22.3194
YIQ	203.6980, 10.3720, -55.8360

Conversions

Conversions Part 2

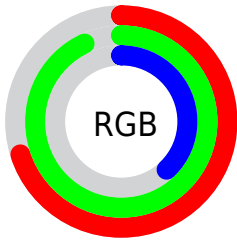
Format	Color
RYB	97, 237, 155
Decimal	11791713
CIELab	87.49, -39.70, 60.51
CIELCh	87, 72.369, 123.266
Yxy	71.0151, 0.3535, 0.4919
Android (android.graphics.Color)	4289981793 (0xFFB3ED61)
YUV	203.6980, -52.6021, -21.6601
Hunter-Lab	84.2705, -39.3732, 43.2861

Details

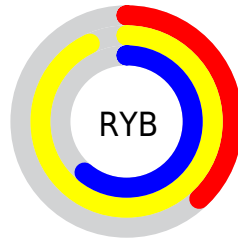
The Yxy color **71.0151, 0.3535, 0.4919** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.6235, 0.2409, 0.1576**, and the grayscale version is **60.5186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7915, 0.3609, 0.4339**, and **37.3385, 0.3553, 0.5321** is the 20% darker color. If you saturate the color by 10%, you get **69.5121, 0.3557, 0.5162**, and if you desaturate by 10%, it is **72.7396, 0.3492, 0.4647**.

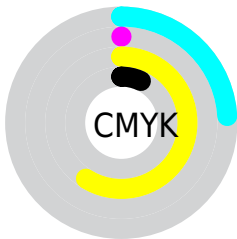
Distribution



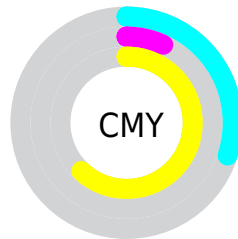
- Red (70%)
- Green (93%)
- Blue (38%)



- Red (38%)
- Yellow (93%)
- Blue (61%)



- Cyan (24%)
- Magenta (0%)
- Yellow (59%)
- Black (7%)





- Cyan (30%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0151, 0.3535, 0.4919 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 71.0151, 0.3535, 0.4919 by changing the saturation by 10% instead.

 71.0151, 0.3535,
0.4919


 71.0151, 0.3535,
0.4919


464.1062, 0.3395,
0.4135

 52.3545, 0.3550,
0.5098


 120.6552, 0.3499,
0.4645

 37.2877, 0.3558,
0.5315


 152.4036, 0.3482,
0.4539

 25.4303, 0.3551,
0.5582


 189.2833, 0.3465,
0.4448

 16.3980, 0.3512,
0.5912

 231.6787, 0.3449,
0.4368

 9.8062, 0.3437,
0.6375

279.9744, 0.3434,
0.4299

 5.2707, 0.3176,
0.6824

334.5546, 0.3420,

 2.4069, 0.2659,

0.4238

0.7341

395.8037, 0.3407,
0.4183

0.8294, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.0151, 0.3535,
0.4919

71.0151, 0.3535,
0.4919

69.5121, 0.3557,
0.5162

72.7396, 0.3492,
0.4647

68.2073, 0.3556,
0.5363


74.6886, 0.3432,
0.4359


67.0877, 0.3530,
0.5512

76.8764, 0.3361,
0.4069

66.1294, 0.3485,
0.5611

79.3132, 0.3282,
0.3786

 66.0469, 0.3480,
0.5619

 82.0089, 0.3201,
0.3517

 84.9722, 0.3120,
0.3268

 87.6942, 0.3088,
0.3114

 89.0497, 0.3135,
0.3117

Harmonies

Analogous

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



71.0151, 0.4292, 0.4643



71.0151, 0.3535, 0.4919



71.0151, 0.2715, 0.4568

Triad

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



71.0151, 0.3535, 0.4919



71.0151, 0.1679, 0.2218



71.0151, 0.4253, 0.2852

Complementary

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



71.0151, 0.3535, 0.4919



21.6235, 0.2409, 0.1576

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.



71.0151, 0.3375, 0.2366



71.0151, 0.3535, 0.4919



71.0151, 0.1956, 0.2001

Square

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



71.0151, 0.3535, 0.4919



71.0151, 0.1704, 0.2776



71.0151, 0.2535, 0.2065



71.0151, 0.4794, 0.3444

Rectangle

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



71.0151, 0.3535, 0.4919



71.0151, 0.2243, 0.3997



71.0151, 0.2535, 0.2065



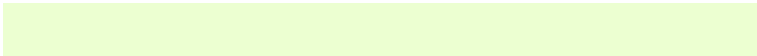
71.0151, 0.3979, 0.2674

Sweetspot

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



71.0182, 0.3535, 0.4919



93.9602, 0.3274, 0.3758



41.6452, 0.4534, 0.3896



19.9228, 0.3298, 0.3839



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.



71.0182, 0.3535, 0.4919



81.7207, 0.3559, 0.5210



64.8103, 0.3106, 0.5162



17.2982, 0.3204, 0.3527



36.1372, 0.3491, 0.5610



2.8938, 0.3586, 0.5535

Inverse Universe

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



21.6235, 0.2409, 0.1576



18.4929, 0.2224, 0.1251



30.3471, 0.3054, 0.1854



14.8535, 0.3045, 0.3051



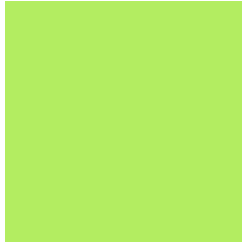
4.8329, 0.1869, 0.0803



0.4347, 0.2024, 0.0889

Previews

White Background



This preview shows how the Yxy color 71.0151, 0.3535, 0.4919 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 71.0151, 0.3535, 0.4919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

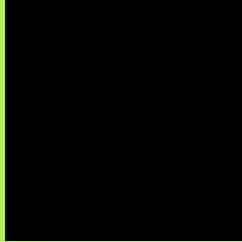
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0151, 0.3535, 0.4919

Background



This preview shows how black text looks on a background with the Yxy color 71.0151, 0.3535, 0.4919.



This preview shows how white text looks on a background with the Yxy color 71.0151, 0.3535, 0.4919.

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

71.0151, 0.3535, 0.4919

Protanopia

70.4904, 0.4142, 0.4546

Deuteranopia

70.1155, 0.3903, 0.3898



Tritanopia

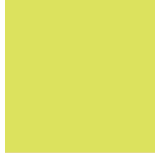
70.5396, 0.2853, 0.3090

Trichromacy



Original Color

71.0151, 0.3535, 0.4919



Protanomaly

70.4165, 0.3909, 0.4687



Deuteranomaly

69.1832, 0.3779, 0.4256



Tritanomaly

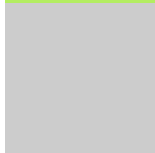
69.6454, 0.3126, 0.3752

Monochromacy



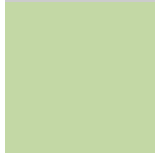
Original Color

71.0151, 0.3535, 0.4919



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.4304, 0.3318, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0151, 0.3535, 0.4919 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(179, 237, 97)` looks like.

```
.text, #text, p{  
    color:rgb(179, 237, 97)  
}
```

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(179, 237, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 237, 97) }
```

Border

The CSS property to change the border of an element to Yxy 71.0151, 0.3535, 0.4919 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(179, 237, 97) }
```

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

```
.border{ border-color:rgb(179, 237, 97) }
```

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

Here you see how a box with a 4 pixel rgb(179, 237, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 237, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 237, 97);  
box-shadow:4px 4px 4px 4px rgb(179, 237,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0151, 0.3535, 0.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 237, 97) }
```

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

```
.background{ background-color: rgb(179,  
237, 97) }
```

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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