

Converting Colors

Yxy(76.4141, 0.3669, 0.5134)

Have a look what the booklet for
Yxy(76.4141, 0.3669, 0.5134)
contains.

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Color

Yxy(76.5786, 0.3671, 0.5132)

Conversions

Conversions Part 1

Format	Color
Hex	BDF547
RGB	189, 245, 71
RGB Percent	74%, 96%, 28%
CMY	0.2588, 0.0392, 0.7214
CMYK	0.23, 0.00, 0.71, 0.04
HSL	79°, 90%, 62%
HSV	79°, 71%, 96%
XYZ	54.7779, 76.5786, 17.8614
YIQ	208.4200, 22.4780, -65.9860

Conversions

Conversions Part 2

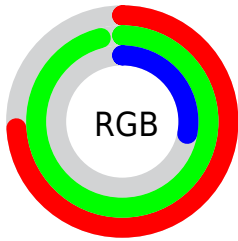
Format	Color
RYB	71, 245, 127
Decimal	12449095
CIELab	90.13, -41.35, 73.49
CIELCh	90, 84.329, 119.364
Yxy	76.5786, 0.3671, 0.5132
Android (android.graphics.Color)	4290639175 (0xFFBDF547)
YUV	208.4200, -67.7481, -17.0313
Hunter-Lab	87.5092, -41.4060, 49.1548

Details

The Yxy color **76.5786, 0.3671, 0.5132** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light washed chartreuse. A complement of this color would be **15.6199, 0.2098, 0.1192**, and the grayscale version is **63.8066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2447, 0.3813, 0.4512**, and **40.7917, 0.3667, 0.5470** is the 20% darker color. If you saturate the color by 10%, you get **75.3467, 0.3678, 0.5305**, and if you desaturate by 10%, it is **77.9989, 0.3638, 0.4915**.

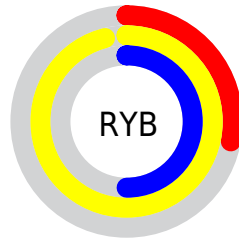
Distribution



Red (74%)

Green (96%)

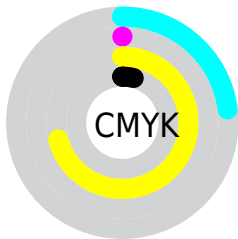
Blue (28%)



Red (28%)

Yellow (96%)

Blue (50%)

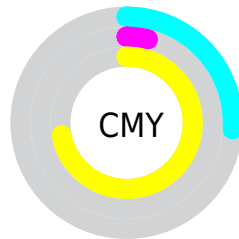


Cyan (23%)

Magenta (0%)

Yellow (71%)

Black (4%)



Cyan (26%)


Magenta (4%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5786, 0.3671, 0.5132 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 76.5786, 0.3671, 0.5132 by changing the saturation by 10% instead.


 76.5786, 0.3671,
0.5132


 76.5786, 0.3671,
0.5132


483.3261, 0.3495,
0.4274


 56.9071, 0.3686,
0.5316

 128.5445, 0.3629,
0.4841

 40.9306, 0.3690,
0.5533


 161.6076, 0.3607,
0.4725

 28.2649, 0.3673,
0.5789


 199.9034, 0.3586,
0.4625

 18.5254, 0.3615,
0.6087

 243.8162, 0.3565,
0.4537

 11.3279, 0.3513,
0.6487

 293.7305, 0.3546,
0.4459

 6.2878, 0.3208,
0.6792


350.0307, 0.3528,


 3.0209, 0.2736,


0.4391

0.7264

413.1010, 0.3511,
0.4329

 1.1426, 0.0469,
0.9531


 0.0141, 0.0000,
1.0000


 76.5786, 0.3671,
0.5132


 76.5786, 0.3671,
0.5132


 75.3467, 0.3678,
0.5305

 77.9989, 0.3638,
0.4915

 74.2758, 0.3661,
0.5429


 79.6119, 0.3583,
0.4664


 73.4288, 0.3627,
0.5502


 81.4335, 0.3510,
0.4392


 83.4753, 0.3424,
0.4112

 85.7476, 0.3330,
0.3835

 88.2601, 0.3234,
0.3567

 91.0219, 0.3137,
0.3314

 93.2411, 0.3113,
0.3194

 93.7871, 0.3132,
0.3194

Harmonies

Analogous

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



76.5786, 0.4496, 0.4702



76.5786, 0.3671, 0.5132



76.5786, 0.2756, 0.4869

Triad

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



76.5786, 0.3671, 0.5132



76.5786, 0.1513, 0.2140



76.5786, 0.4285, 0.2714

Complementary

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



76.5786, 0.3671, 0.5132



15.6199, 0.2098, 0.1192

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.



76.5786, 0.3264, 0.2208



76.5786, 0.3671, 0.5132



76.5786, 0.1769, 0.1873

Square

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



76.5786, 0.3671, 0.5132



76.5786, 0.1575, 0.2802



76.5786, 0.2356, 0.1912



76.5786, 0.4969, 0.3343

Rectangle

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



76.5786, 0.3671, 0.5132



76.5786, 0.2215, 0.4245



76.5786, 0.2356, 0.1912



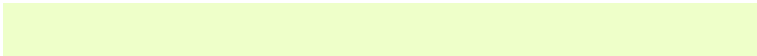
76.5786, 0.3958, 0.2527

Sweetspot

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



76.5820, 0.3671, 0.5132



93.8942, 0.3331, 0.3836



34.8237, 0.5066, 0.3812



19.9444, 0.3357, 0.3912



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.



76.5820, 0.3671, 0.5132



82.0041, 0.3674, 0.5363



68.6424, 0.3146, 0.5484



19.0306, 0.3219, 0.3527



39.6340, 0.3636, 0.5495



3.5386, 0.3707, 0.5438

Inverse Universe

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



15.6199, 0.2098, 0.1192



11.8119, 0.1885, 0.0893



25.2674, 0.2883, 0.1576



16.1856, 0.3030, 0.3049



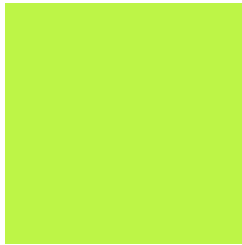
4.5098, 0.1729, 0.0726



0.4494, 0.1863, 0.0800

Previews

White Background



This preview shows how the Yxy color 76.5786, 0.3671, 0.5132 looks on a white background.

Color Contrast Check

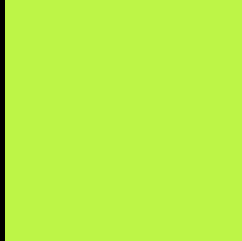
Large Text (above 18pt) WCAG AA × Fail

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 76.5786, 0.3671, 0.5132 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 76.5786, 0.3671, 0.5132

Background



This preview shows how black text looks on a background with the Yxy color 76.5786, 0.3671, 0.5132.

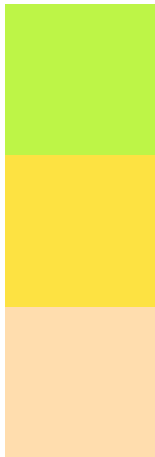


This preview shows how white text looks on a background with the Yxy color 76.5786, 0.3671, 0.5132.

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

76.5786, 0.3671, 0.5132

Protanopia

75.6687, 0.4280, 0.4715

Deuteranopia

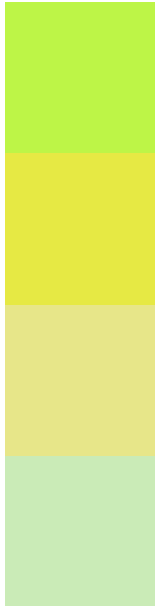
76.0289, 0.3708, 0.3772



Tritanopia

76.3093, 0.2886, 0.3097

Trichromacy



Original Color

76.5786, 0.3671, 0.5132

Protanomaly

75.5182, 0.4051, 0.4870

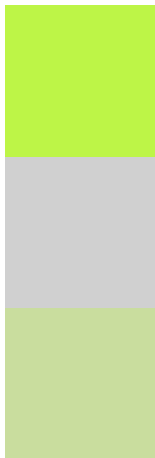
Deuteranomaly

75.3887, 0.3739, 0.4286

Tritanomaly

75.3921, 0.3227, 0.3885

Monochromacy



Original Color

76.5786, 0.3671, 0.5132

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

66.5990, 0.3402, 0.4037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5786, 0.3671, 0.5132 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(189, 245, 71)` looks like.

```
.text, #text, p{  
    color:rgb(189, 245, 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(189, 245, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 245, 71) }
```

Border

The CSS property to change the border of an element to Yxy 76.5786, 0.3671, 0.5132 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(189, 245, 71) }
```

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

```
.border{ border-color:rgb(189, 245, 71) }
```

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

Here you see how a box with a 4 pixel rgb(189, 245, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 245, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 245, 71);  
box-shadow:4px 4px 4px 4px rgb(189, 245,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5786, 0.3671, 0.5132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 245, 71) }
```

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

```
.background{ background-color: rgb(189,  
245, 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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