

Converting Colors

Yxy(80.4024, 0.3724, 0.5367)

Have a look what the booklet for
Yxy(80.4024, 0.3724, 0.5367)
contains.

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Color

Yxy(80.3913, 0.3723, 0.5368)

Conversions

Conversions Part 1

Format	Color
Hex	BCFC1B
RGB	188, 252, 27
RGB Percent	74%, 99%, 11%
CMY	0.2626, 0.0118, 0.8942
CMYK	0.25, 0.00, 0.89, 0.01
HSL	77°, 97%, 55%
HSV	77°, 89%, 99%
XYZ	55.7557, 80.3913, 13.6132
YIQ	207.2140, 34.0810, -83.5430

Conversions

Conversions Part 2

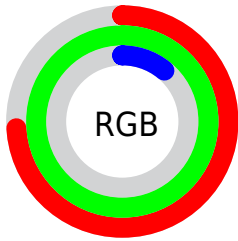
Format	Color
RYB	27, 252, 91
Decimal	12385307
CIELab	91.86, -46.36, 85.96
CIELCh	92, 97.663, 118.338
Yxy	80.3913, 0.3723, 0.5368
Android (android.graphics.Color)	4290575387 (0xFFBCFC1B)
YUV	207.2140, -88.8455, -16.8507
Hunter-Lab	89.6612, -45.9070, 53.7609

Details

The Yxy color **80.3913, 0.3723, 0.5368** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **10.0318, 0.1779, 0.0802**, and the grayscale version is **63.1167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5993, 0.3940, 0.4727**, and **43.6194, 0.3599, 0.5524** is the 20% darker color. If you saturate the color by 10%, you get **79.4323, 0.3693, 0.5447**, and if you desaturate by 10%, it is **81.4980, 0.3731, 0.5243**.

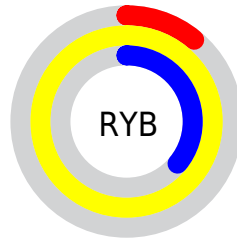
Distribution



Red (74%)

Green (99%)

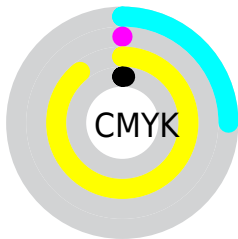
Blue (11%)



Red (11%)

Yellow (99%)

Blue (36%)

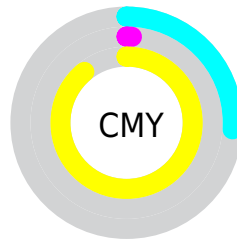


Cyan (25%)

Magenta (0%)

Yellow (89%)

Black (1%)



Cyan (26%)


Magenta (1%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3913, 0.3723, 0.5368 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 80.3913, 0.3723, 0.5368 by changing the saturation by 10% instead.


 80.3913, 0.3723,
0.5368


 80.3913, 0.3723,
0.5368

496.2506, 0.3557,
0.4426


 60.0404, 0.3726,
0.5559


 133.9157, 0.3693,
0.5057


 43.4512, 0.3712,
0.5779


 167.8581, 0.3673,
0.4931


 30.2393, 0.3668,
0.6027


 207.0997, 0.3652,
0.4820

 20.0203, 0.3588,
0.6335

 252.0250, 0.3632,
0.4722

 12.4098, 0.3390,
0.6610

 303.0183, 0.3612,
0.4635

 7.0234, 0.3070,
0.6930


360.4641, 0.3593,


 3.4767, 0.2586,


0.4558


0.7414

424.7467, 0.3574,
0.4488


 1.3854, 0.0774,
0.9226

 0.2059, 0.0000,
1.0000


 80.3913, 0.3723,
0.5368

 80.3913, 0.3723,
0.5368


 79.4323, 0.3693,
0.5447


 81.4980, 0.3731,
0.5243

 79.3673, 0.3690,
0.5452


 82.7680, 0.3713,
0.5070


 84.2225, 0.3670,
0.4854

 85.8761, 0.3605,
0.4605

 87.7420, 0.3522,
0.4337

 89.8320, 0.3428,
0.4061

 92.1566, 0.3326,
0.3787

 94.7261, 0.3223,
0.3522

 97.5496, 0.3120,
0.3273

Harmonies

Analogous

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



80.3913, 0.4643, 0.4797



80.3913, 0.3723, 0.5368



80.3913, 0.2713, 0.5154

Triad

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



80.3913, 0.3723, 0.5368



80.3913, 0.1347, 0.2013



80.3913, 0.4404, 0.2616

Complementary

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



80.3913, 0.3723, 0.5368



10.0318, 0.1779, 0.0802

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.



80.3913, 0.3232, 0.2076



80.3913, 0.3723, 0.5368



80.3913, 0.1611, 0.1726

Square

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



80.3913, 0.3723, 0.5368



80.3913, 0.1415, 0.2749



80.3913, 0.2230, 0.1764



80.3913, 0.5198, 0.3288

Rectangle

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



80.3913, 0.3723, 0.5368



80.3913, 0.2113, 0.4437



80.3913, 0.2230, 0.1764



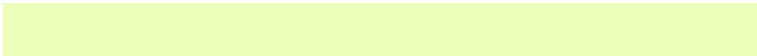
80.3913, 0.4025, 0.2416

Sweetspot

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



80.3949, 0.3723, 0.5368



92.8075, 0.3405, 0.3998



28.2111, 0.5765, 0.3691



19.6979, 0.3439, 0.4092



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.



80.3949, 0.3723, 0.5368



81.5296, 0.3690, 0.5452



71.2232, 0.3113, 0.5839



19.9284, 0.3225, 0.3527



41.4231, 0.3699, 0.5445



3.8901, 0.3760, 0.5397

Inverse Universe

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



10.0318, 0.1779, 0.0802



8.6159, 0.1667, 0.0692



20.5418, 0.2717, 0.1308



16.8818, 0.3023, 0.3048



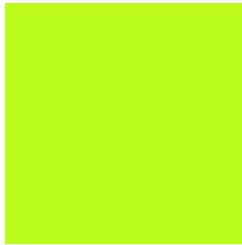
4.4351, 0.1682, 0.0700



0.4619, 0.1803, 0.0767

Previews

White Background



This preview shows how the Yxy color 80.3913, 0.3723, 0.5368 looks on a white background.

Color Contrast Check

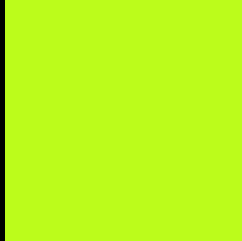
Large Text (above 18pt) WCAG AA × Fail

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 80.3913, 0.3723, 0.5368 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 80.3913, 0.3723, 0.5368

Background



This preview shows how black text looks on a background with the Yxy color 80.3913, 0.3723, 0.5368.

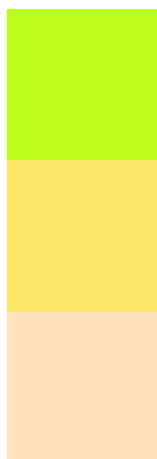


This preview shows how white text looks on a background with the Yxy color 80.3913, 0.3723, 0.5368.

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

80.3913, 0.3723, 0.5368

Protanopia

79.5160, 0.4075, 0.4465

Deuteranopia

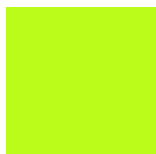
79.2836, 0.3595, 0.3677



Tritanopia

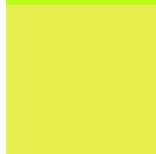
79.7864, 0.2866, 0.3090

Trichromacy



Original Color

80.3913, 0.3723, 0.5368



Protanomaly

79.2864, 0.3983, 0.4841



Deuteranomaly

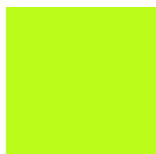
77.9906, 0.3766, 0.4408



Tritanomaly

78.5474, 0.3298, 0.4084

Monochromacy



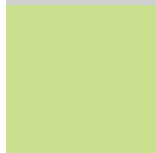
Original Color

80.3913, 0.3723, 0.5368



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

67.0077, 0.3493, 0.4249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3913, 0.3723, 0.5368 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(188, 252, 27)` looks like.

```
.text, #text, p{  
    color:rgb(188, 252, 27)  
}
```

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(188, 252, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 252, 27) }
```

Border

The CSS property to change the border of an element to Yxy 80.3913, 0.3723, 0.5368 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(188, 252, 27) }
```

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

```
.border{ border-color:rgb(188, 252, 27) }
```

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

Here you see how a box with a 4 pixel rgb(188, 252, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 252, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 252, 27);  
box-shadow:4px 4px 4px 4px rgb(188, 252,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3913, 0.3723, 0.5368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 252, 27) }
```

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

```
.background{ background-color: rgb(188,  
252, 27) }
```

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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