

Converting Colors

$Yxy(79.9552, 0.3627, 0.5321)$

Have a look what the booklet for
Yxy(79.9552, 0.3627, 0.5321)
contains.

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Color

Yxy(80.2018, 0.3623, 0.5325)

Conversions

Conversions Part 1

Format	Color
Hex	B4FD34
RGB	180, 253, 52
RGB Percent	71%, 99%, 20%
CMY	0.2941, 0.0078, 0.7963
CMYK	0.29, 0.00, 0.79, 0.01
HSL	82°, 98%, 60%
HSV	82°, 79%, 99%
XYZ	54.5673, 80.2018, 15.8446
YIQ	208.2590, 21.0130, -77.9870

Conversions

Conversions Part 2

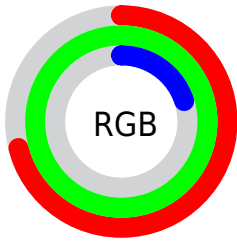
Format	Color
RYB	52, 253, 125
Decimal	11861300
CIELab	91.78, -48.99, 80.62
CIELCh	92, 94.339, 121.284
Yxy	80.2018, 0.3623, 0.5325
Android (android.graphics.Color)	4290051380 (0xFFB4FD34)
YUV	208.2590, -77.0357, -24.7831
Hunter-Lab	89.5555, -47.9596, 52.1990

Details

The Yxy color **80.2018, 0.3623, 0.5325** 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 **13.8975, 0.2023, 0.1026**, and the grayscale version is **63.7514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3062, 0.3812, 0.4650**, and **43.5448, 0.3536, 0.5574** is the 20% darker color. If you saturate the color by 10%, you get **78.9692, 0.3602, 0.5463**, and if you desaturate by 10%, it is **81.6365, 0.3618, 0.5136**.

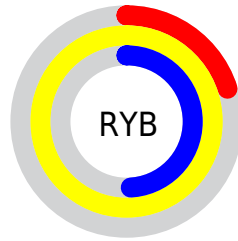
Distribution



Red (71%)

Green (99%)

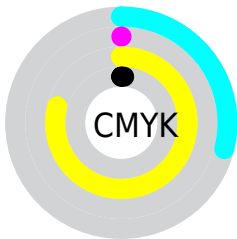
Blue (20%)



Red (20%)

Yellow (99%)

Blue (49%)

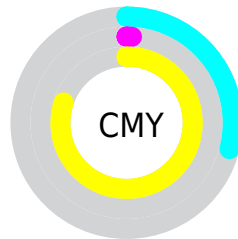


Cyan (29%)

Magenta (0%)

Yellow (79%)

Black (1%)



Cyan (29%)

Magenta (1%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2018, 0.3623, 0.5325 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 80.2018, 0.3623, 0.5325 by changing the saturation by 10% instead.


 80.2018, 0.3623,
0.5325

 80.2018, 0.3623,
0.5325


495.6127, 0.3490,
0.4385

 59.8844, 0.3623,
0.5523

 133.6494, 0.3600,
0.5009


 43.3255, 0.3607,
0.5753


 167.5484, 0.3585,
0.4883

 30.1406, 0.3563,
0.6021


 206.7435, 0.3568,
0.4772

 19.9453, 0.3472,
0.6336

 251.6189, 0.3551,
0.4675

 12.3553, 0.3301,
0.6699

 302.5592, 0.3535,
0.4590

 6.9861, 0.2961,
0.7039

359.9486, 0.3519,

 3.4534, 0.2452,

0.4514

0.7548

424.1716, 0.3504,
0.4446

■ 1.3728, 0.0305,
0.9695

■ 0.1965, 0.0000,
1.0000

■ 80.2018, 0.3623,
0.5325

■ 80.2018, 0.3623,
0.5325

■ 78.9692, 0.3602,
0.5463

■ 81.6365, 0.3618,
0.5136


■ 77.9001, 0.3561,
0.5552

■ 83.2810, 0.3589,
0.4905

■ 77.8467, 0.3559,
0.5556


■ 85.1547, 0.3538,
0.4642

■ 87.2715, 0.3470,
0.4362

 89.6439, 0.3390,
0.4076

 92.2835, 0.3303,
0.3796

 95.2009, 0.3212,
0.3528

 98.4062, 0.3122,
0.3277

 98.7339, 0.3128,
0.3271

Harmonies

Analogous

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



80.2018, 0.4535, 0.4837



80.2018, 0.3623, 0.5325



80.2018, 0.2641, 0.5004

Triad

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



80.2018, 0.3623, 0.5325



80.2018, 0.1401, 0.2006



80.2018, 0.4464, 0.2698

Complementary

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



80.2018, 0.3623, 0.5325



13.8975, 0.2023, 0.1026

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.



80.2018, 0.3342, 0.2151



80.2018, 0.3623, 0.5325



80.2018, 0.1692, 0.1756

Square

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



80.2018, 0.3623, 0.5325



80.2018, 0.1437, 0.2678



80.2018, 0.2337, 0.1820



80.2018, 0.5171, 0.3366

Rectangle

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



80.2018, 0.3623, 0.5325



80.2018, 0.2072, 0.4270



80.2018, 0.2337, 0.1820



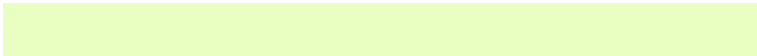
80.2018, 0.4108, 0.2497

Sweetspot

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



80.2053, 0.3623, 0.5325



92.6929, 0.3343, 0.3922



35.1263, 0.5304, 0.3871



19.6379, 0.3374, 0.4022



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.



80.2053, 0.3623, 0.5325



79.7694, 0.3581, 0.5517



72.2994, 0.3098, 0.5708



20.7417, 0.3213, 0.3529



41.4949, 0.3568, 0.5549



4.1020, 0.3639, 0.5492

Inverse Universe

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



13.8975, 0.2023, 0.1026



10.2509, 0.1822, 0.0794



25.2058, 0.2907, 0.1485



17.6987, 0.3036, 0.3048



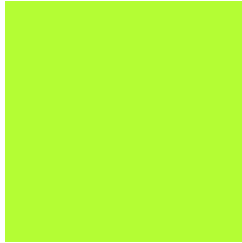
5.0537, 0.1785, 0.0757



0.5512, 0.1909, 0.0825

Previews

White Background



This preview shows how the Yxy color 80.2018, 0.3623, 0.5325 looks on a white background.

Color Contrast Check

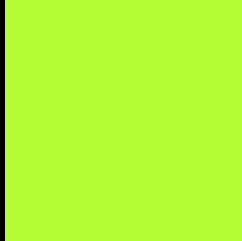
Large Text (above 18pt) WCAG AA × Fail

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 80.2018, 0.3623, 0.5325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

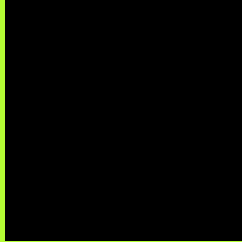
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2018, 0.3623, 0.5325

Background



This preview shows how black text looks on a background with the Yxy color 80.2018, 0.3623, 0.5325.

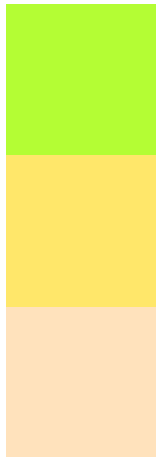


This preview shows how white text looks on a background with the Yxy color 80.2018, 0.3623, 0.5325.

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

80.2018, 0.3623, 0.5325

Protanopia

79.4524, 0.4091, 0.4488

Deuteranopia

79.2836, 0.3595, 0.3677



Tritanopia

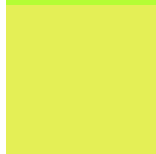
79.8432, 0.2814, 0.3098

Trichromacy



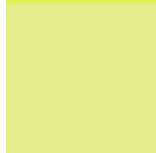
Original Color

80.2018, 0.3623, 0.5325



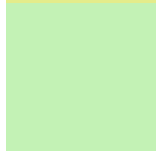
Protanomaly

78.8989, 0.3934, 0.4809



Deuteranomaly

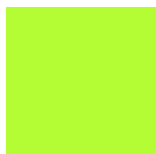
78.3490, 0.3682, 0.4328



Tritanomaly

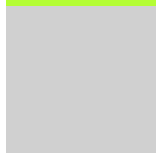
78.4426, 0.3184, 0.3990

Monochromacy



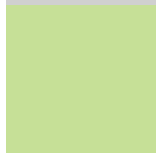
Original Color

80.2018, 0.3623, 0.5325



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.5514, 0.3418, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2018, 0.3623, 0.5325 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(180, 253, 52)` looks like.

```
.text, #text, p{  
    color:rgb(180, 253, 52)  
}
```

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(180, 253, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 253, 52) }
```

Border

The CSS property to change the border of an element to Yxy 80.2018, 0.3623, 0.5325 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(180, 253, 52) }
```

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

```
.border{ border-color:rgb(180, 253, 52) }
```

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

Here you see how a box with a 4 pixel rgb(180, 253, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 253, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 253, 52);  
box-shadow:4px 4px 4px 4px rgb(180, 253,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2018, 0.3623, 0.5325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 253, 52) }
```

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

```
.background{ background-color: rgb(180,  
253, 52) }
```

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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