

Converting Colors

$Y_{xy}(81.5941, 0.3623, 0.5333)$

Have a look what the booklet for
Yxy(81.5941, 0.3623, 0.5333)
contains.

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Color

Yxy(81.5828, 0.3623, 0.5334)

Conversions

Conversions Part 1

Format	Color
Hex	B5FF33
RGB	181, 255, 51
RGB Percent	71%, 100%, 20%
CMY	0.2902, 0.0000, 0.8002
CMYK	0.29, 0.00, 0.80, 0.00
HSL	82°, 100%, 60%
HSV	82°, 80%, 100%
XYZ	55.4133, 81.5828, 15.9525
YIQ	209.6180, 21.3800, -79.1320

Conversions

Conversions Part 2

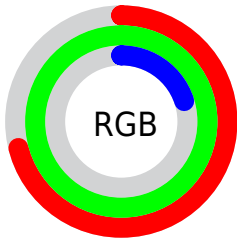
Format	Color
RYB	51, 255, 125
Decimal	11927347
CIELab	92.39, -49.50, 81.44
CIElCh	92, 95.309, 121.292
Yxy	81.5828, 0.3623, 0.5334
Android (android.graphics.Color)	4290117427 (0xFFB5FF33)
YUV	209.6180, -78.1987, -25.0980
Hunter-Lab	90.3232, -48.5558, 52.7547

Details

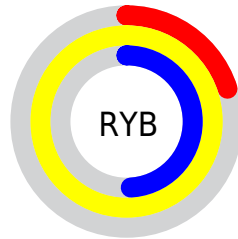
The Yxy color **81.5828, 0.3623, 0.5334** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **13.9407, 0.2014, 0.1014**, and the grayscale version is **64.6943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4586, 0.3823, 0.4654**, and **44.5257, 0.3534, 0.5576** is the 20% darker color. If you saturate the color by 10%, you get **80.3351, 0.3601, 0.5469**, and if you desaturate by 10%, it is **83.0277, 0.3620, 0.5148**.

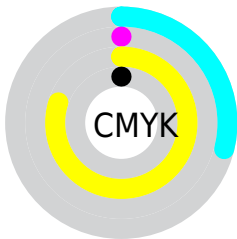
Distribution



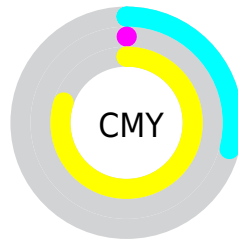
- Red (71%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (49%)



- Cyan (29%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5828, 0.3623, 0.5334 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 81.5828, 0.3623, 0.5334 by changing the saturation by 10% instead.

 81.5828, 0.3623,
0.5334


 81.5828, 0.3623,
0.5334


500.2511, 0.3491,
0.4393


 61.0217, 0.3623,
0.5531

 135.5888, 0.3601,
0.5019

 44.2427, 0.3606,
0.5761


 169.8025, 0.3586,
0.4892


 30.8613, 0.3561,
0.6027


 209.3358, 0.3569,
0.4782

 20.4933, 0.3470,
0.6338

 254.5732, 0.3553,
0.4685

 12.7541, 0.3301,
0.6699

 305.8990, 0.3536,
0.4599

 7.2595, 0.2966,
0.7034


363.6977, 0.3521,


 3.6249, 0.2465,


0.4523


428.3536, 0.3506,
0.4454


0.7535


 1.4660, 0.0610,
0.9390


 0.2646, 0.0000,
1.0000


 81.5828, 0.3623,
0.5334


 81.5828, 0.3623,
0.5334

 80.3351, 0.3601,
0.5469


 83.0277, 0.3620,
0.5148

 79.2562, 0.3559,
0.5556

 84.6889, 0.3592,
0.4919

 86.5826, 0.3542,
0.4657

 88.7230, 0.3474,
0.4378

 91.1231, 0.3395,
0.4092

 93.7944, 0.3308,
0.3811

 96.7482, 0.3217,
0.3542

99.9945, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



81.5828, 0.4538, 0.4841



81.5828, 0.3623, 0.5334



81.5828, 0.2638, 0.5013

Triad

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



81.5828, 0.3623, 0.5334



81.5828, 0.1395, 0.2001



81.5828, 0.4470, 0.2695

Complementary

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



81.5828, 0.3623, 0.5334



13.9407, 0.2014, 0.1014

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.



81.5828, 0.3343, 0.2147



81.5828, 0.3623, 0.5334



81.5828, 0.1687, 0.1751

Square

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



81.5828, 0.3623, 0.5334



81.5828, 0.1431, 0.2675



81.5828, 0.2334, 0.1815



81.5828, 0.5180, 0.3365

Rectangle

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



81.5828, 0.3623, 0.5334



81.5828, 0.2068, 0.4275



81.5828, 0.2334, 0.1815



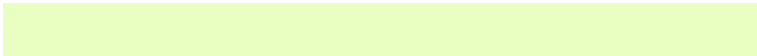
81.5828, 0.4112, 0.2494

Sweetspot

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



81.5827, 0.3623, 0.5334



92.6969, 0.3343, 0.3922



35.5096, 0.5323, 0.3870



19.6389, 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.



81.5827, 0.3623, 0.5334



79.6733, 0.3577, 0.5525



73.5331, 0.3096, 0.5720



20.7421, 0.3213, 0.3529



41.5004, 0.3569, 0.5548



4.1025, 0.3640, 0.5492

Inverse Universe

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



13.9407, 0.2014, 0.1014



10.0929, 0.1810, 0.0784



25.4944, 0.2904, 0.1478



17.6983, 0.3036, 0.3048



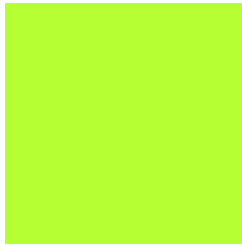
5.0510, 0.1785, 0.0757



0.5509, 0.1908, 0.0825

Previews

White Background



This preview shows how the Yxy color 81.5828, 0.3623, 0.5334 looks on a white background.

Color Contrast Check

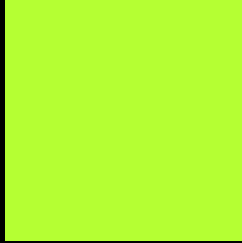
Large Text (above 18pt) WCAG AA × Fail

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 81.5828, 0.3623, 0.5334 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

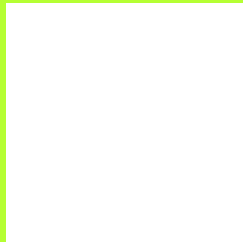
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5828, 0.3623, 0.5334

Background



This preview shows how black text looks on a background with the Yxy color 81.5828, 0.3623, 0.5334.

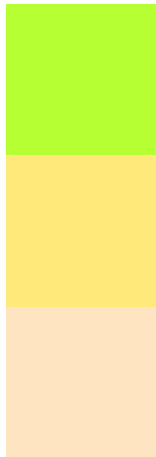


This preview shows how white text looks on a background with the Yxy color 81.5828, 0.3623, 0.5334.

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

81.5828, 0.3623, 0.5334

Protanopia

80.9679, 0.3989, 0.4367

Deuteranopia

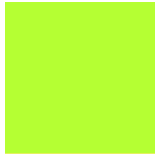
80.5971, 0.3556, 0.3646



Tritanopia

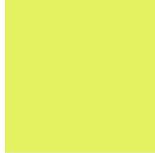
80.9102, 0.2827, 0.3100

Trichromacy



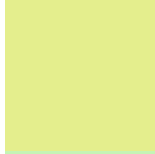
Original Color

81.5828, 0.3623, 0.5334



Protanomaly

80.2676, 0.3877, 0.4743



Deuteranomaly

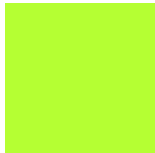
79.5661, 0.3663, 0.4325



Tritanomaly

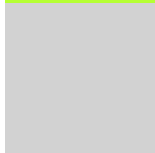
79.9079, 0.3195, 0.4007

Monochromacy



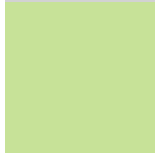
Original Color

81.5828, 0.3623, 0.5334



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.8018, 0.3414, 0.4164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5828, 0.3623, 0.5334 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(181, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 51)  
}
```

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(181, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 81.5828, 0.3623, 0.5334 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(181, 255, 51) }
```

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

```
.border{ border-color:rgb(181, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5828, 0.3623, 0.5334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 51) }
```

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

```
.background{ background-color: rgb(181,  
255, 51) }
```

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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