

Converting Colors

$Yxy(81.4255, 0.3651, 0.5402)$

Have a look what the booklet for
Yxy(81.4255, 0.3651, 0.5402)
contains.

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Color

Yxy(81.4536, 0.3653, 0.5401)

Conversions

Conversions Part 1

Format	Color
Hex	B5FF21
RGB	181, 255, 33
RGB Percent	71%, 100%, 13%
CMY	0.2902, 0.0000, 0.8700
CMYK	0.29, 0.00, 0.87, 0.00
HSL	80°, 100%, 56%
HSV	80°, 87%, 100%
XYZ	55.0916, 81.4536, 14.2668
YIQ	207.5660, 27.1580, -84.7300

Conversions

Conversions Part 2

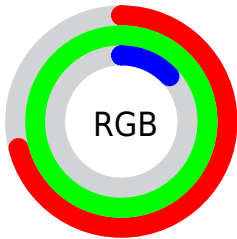
Format	Color
R_{YB}	33, 255, 107
Decimal	11927329
CIE _{Lab}	92.33, -50.07, 85.20
CIE _{LCh}	92, 98.820, 120.440
Yxy	81.4536, 0.3653, 0.5401
Android (android.graphics.Color)	4290117409 (0xFFB5FF21)
YUV	207.5660, -86.0610, -23.2984
Hunter-Lab	90.2516, -48.9799, 53.8037

Details

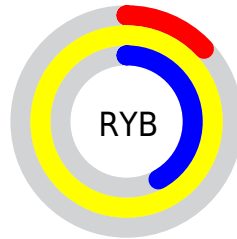
The Yxy color **81.4536, 0.3653, 0.5401** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **11.4507, 0.1875, 0.0870**, and the grayscale version is **63.3454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4172, 0.3874, 0.4727**, and **44.4531, 0.3526, 0.5582** is the 20% darker color. If you saturate the color by 10%, you get **80.3631, 0.3619, 0.5496**, and if you desaturate by 10%, it is **82.7154, 0.3663, 0.5256**.

Distribution



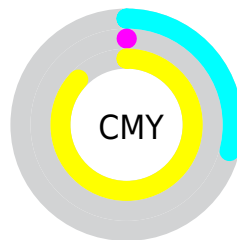
- Red (71%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (42%)



- Cyan (29%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4536, 0.3653, 0.5401 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 81.4536, 0.3653, 0.5401 by changing the saturation by 10% instead.


 81.4536, 0.3653,
0.5401


 81.4536, 0.3653,
0.5401


499.8182, 0.3519,
0.4437


 60.9153, 0.3650,
0.5599


 135.4075, 0.3633,
0.5081

 44.1568, 0.3629,
0.5828


 169.5918, 0.3617,
0.4951

 30.7938, 0.3576,
0.6090


 209.0936, 0.3600,
0.4838

 20.4419, 0.3482,
0.6407

 254.2973, 0.3583,
0.4738

 12.7166, 0.3281,
0.6719

 305.5871, 0.3566,
0.4649

 7.2337, 0.2941,
0.7059


363.3477, 0.3549,


 3.6087, 0.2435,


0.4571


427.9632, 0.3534,
0.4500


0.7565


 1.4572, 0.0493,
0.9507

 0.2583, 0.0000,
1.0000


 81.4536, 0.3653,
0.5401


 81.4536, 0.3653,
0.5401

 80.3631, 0.3619,
0.5496


 82.7154, 0.3663,
0.5256


 80.0595, 0.3607,
0.5518


 84.1693, 0.3648,
0.5062

 85.8337, 0.3608,
0.4827

 87.7235, 0.3547,
0.4564

 89.8524, 0.3470,
0.4285

 92.2325, 0.3382,
0.4003

 94.8752, 0.3289,
0.3727

 97.7907, 0.3193,
0.3464

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.



81.4536, 0.4592, 0.4855



81.4536, 0.3653, 0.5401



81.4536, 0.2640, 0.5113

Triad

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



81.4536, 0.3653, 0.5401



81.4536, 0.1346, 0.1971



81.4536, 0.4489, 0.2655

Complementary

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



81.4536, 0.3653, 0.5401



11.4507, 0.1875, 0.0870

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.



81.4536, 0.3314, 0.2100



81.4536, 0.3653, 0.5401



81.4536, 0.1633, 0.1710

Square

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



81.4536, 0.3653, 0.5401



81.4536, 0.1389, 0.2674



81.4536, 0.2283, 0.1769



81.4536, 0.5241, 0.3335

Rectangle

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



81.4536, 0.3653, 0.5401



81.4536, 0.2050, 0.4353



81.4536, 0.2283, 0.1769



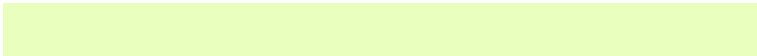
81.4536, 0.4113, 0.2451

Sweetspot

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



81.4540, 0.3653, 0.5401



92.4854, 0.3373, 0.3975



31.9061, 0.5581, 0.3806



19.6110, 0.3405, 0.4073



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.



81.4540, 0.3653, 0.5401



80.0595, 0.3607, 0.5518



72.9372, 0.3086, 0.5835



20.7695, 0.3217, 0.3528



41.9179, 0.3616, 0.5511



4.1412, 0.3683, 0.5458

Inverse Universe

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



11.4507, 0.1875, 0.0870



9.1540, 0.1728, 0.0725



23.2249, 0.2840, 0.1388



17.6720, 0.3031, 0.3048



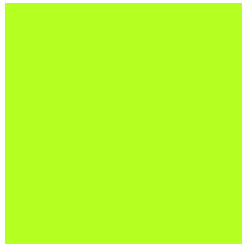
4.8557, 0.1743, 0.0734



0.5297, 0.1865, 0.0801

Previews

White Background



This preview shows how the Yxy color 81.4536, 0.3653, 0.5401 looks on a white background.

Color Contrast Check

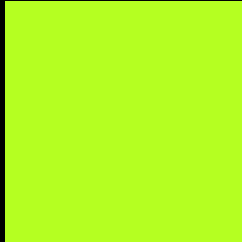
Large Text (above 18pt) WCAG AA × Fail

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 81.4536, 0.3653, 0.5401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

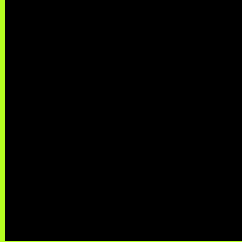
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

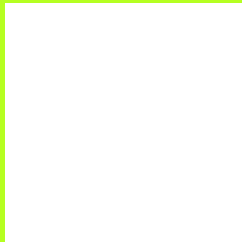
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4536, 0.3653, 0.5401

Background



This preview shows how black text looks on a background with the Yxy color 81.4536, 0.3653, 0.5401.

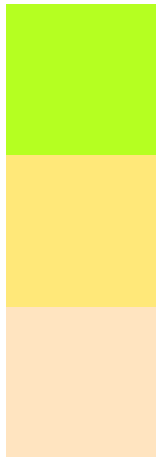


This preview shows how white text looks on a background with the Yxy color 81.4536, 0.3653, 0.5401.

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

81.4536, 0.3653, 0.5401

Protanopia

80.3537, 0.4005, 0.4376

Deuteranopia

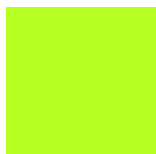
80.5526, 0.3563, 0.3656



Tritanopia

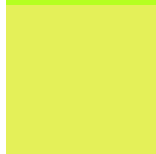
80.9102, 0.2827, 0.3100

Trichromacy



Original Color

81.4536, 0.3653, 0.5401



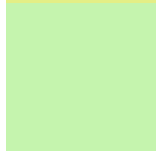
Protanomaly

79.5354, 0.3916, 0.4795



Deuteranomaly

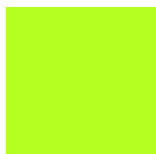
79.3643, 0.3703, 0.4395



Tritanomaly

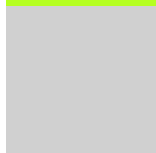
79.6277, 0.3236, 0.4089

Monochromacy



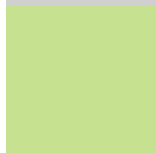
Original Color

81.4536, 0.3653, 0.5401



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.8698, 0.3460, 0.4250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4536, 0.3653, 0.5401 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 33) }
```

Border

The CSS property to change the border of an element to Yxy 81.4536, 0.3653, 0.5401 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, 33) }
```

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

```
.border{ border-color:rgb(181, 255, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 33);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4536, 0.3653, 0.5401 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, 33) }
```

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

```
.background{ background-color: rgb(181,  
255, 33) }
```

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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