

Converting Colors

Yxy(81.0821, 0.3618, 0.5393)

Have a look what the booklet for
Yxy(81.0821, 0.3618, 0.5393)
contains.

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Color

Yxy(81.0272, 0.3615, 0.5395)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF29
RGB	177, 255, 41
RGB Percent	69%, 100%, 16%
CMY	0.3058, 0.0000, 0.8395
CMYK	0.31, 0.00, 0.84, 0.00
HSL	82°, 100%, 58%
HSV	82°, 84%, 100%
XYZ	54.2935, 81.0272, 14.8688
YIQ	207.2820, 22.2060, -83.0900

Conversions

Conversions Part 2

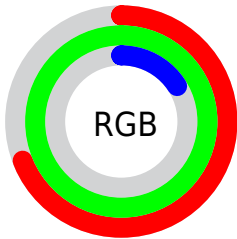
Format	Color
RYB	41, 255, 119
Decimal	11665193
CIELab	92.14, -51.27, 83.46
CIELCh	92, 97.954, 121.563
Yxy	81.0272, 0.3615, 0.5395
Android (android.graphics.Color)	4289855273 (0xFFB1FF29)
YUV	207.2820, -81.9770, -26.5573
Hunter-Lab	90.0151, -49.8624, 53.2170

Details

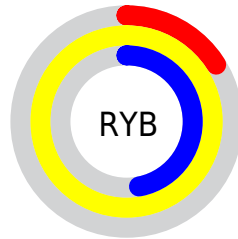
The Yxy color **81.0272, 0.3615, 0.5395** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **12.7172, 0.1961, 0.0943**, and the grayscale version is **63.1150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8013, 0.3829, 0.4712**, and **44.1701, 0.3495, 0.5607** is the 20% darker color. If you saturate the color by 10%, you get **79.8506, 0.3584, 0.5509**, and if you desaturate by 10%, it is **82.3960, 0.3622, 0.5228**.

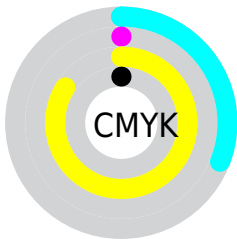
Distribution



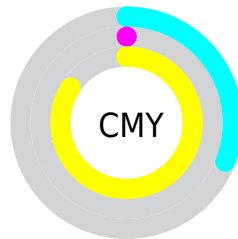
- Red (69%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (47%)



- Cyan (31%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0272, 0.3615, 0.5395 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 81.0272, 0.3615, 0.5395 by changing the saturation by 10% instead.


 81.0272, 0.3615,
0.5395


 81.0272, 0.3615,
0.5395


498.3879, 0.3494,
0.4426


 60.5640, 0.3610,
0.5597

 134.8090, 0.3599,
0.5071

 43.8734, 0.3588,
0.5831


 168.8963, 0.3585,
0.4941


 30.5710, 0.3533,
0.6101


 208.2938, 0.3569,
0.4827

 20.2724, 0.3434,
0.6424

 253.3859, 0.3553,
0.4727

 12.5932, 0.3236,
0.6764

 304.5570, 0.3538,
0.4639

 7.1490, 0.2886,
0.7114

362.1914, 0.3522,

 3.5555, 0.2365,

0.4560

426.6736, 0.3508,
0.4489

0.7635

1.4282, 0.0180,
0.9820

0.2373, 0.0000,
1.0000

81.0272, 0.3615,
0.5395

81.0272, 0.3615,
0.5395

79.8506, 0.3584,
0.5509


82.3960, 0.3622,
0.5228


79.2124, 0.3556,
0.5558


83.9731, 0.3604,
0.5015

85.7773, 0.3562,
0.4764

87.8235, 0.3501,
0.4489

 90.1251, 0.3426,
0.4205

 92.6942, 0.3342,
0.3921

 95.5421, 0.3253,
0.3646

 98.6795, 0.3162,
0.3387

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.



81.0272, 0.4555, 0.4876



81.0272, 0.3615, 0.5395



81.0272, 0.2609, 0.5066

Triad

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



81.0272, 0.3615, 0.5395



81.0272, 0.1360, 0.1963



81.0272, 0.4519, 0.2683

Complementary

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



81.0272, 0.3615, 0.5395



12.7172, 0.1961, 0.0943

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.



81.0272, 0.3357, 0.2124



81.0272, 0.3615, 0.5395



81.0272, 0.1659, 0.1715

Square

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



81.0272, 0.3615, 0.5395



81.0272, 0.1390, 0.2644



81.0272, 0.2320, 0.1785



81.0272, 0.5240, 0.3364

Rectangle

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



81.0272, 0.3615, 0.5395



81.0272, 0.2029, 0.4295



81.0272, 0.2320, 0.1785



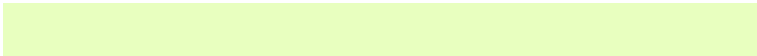
81.0272, 0.4151, 0.2478

Sweetspot

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



81.0287, 0.3615, 0.5395



92.4110, 0.3351, 0.3950



33.8773, 0.5449, 0.3856



19.5821, 0.3381, 0.4049



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.



81.0287, 0.3615, 0.5395



79.2124, 0.3556, 0.5558



73.0978, 0.3084, 0.5794



20.7406, 0.3213, 0.3529



41.4776, 0.3566, 0.5550



4.1004, 0.3638, 0.5494

Inverse Universe

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



12.7172, 0.1961, 0.0943



9.5417, 0.1771, 0.0749



24.4717, 0.2889, 0.1436



17.6998, 0.3036, 0.3048



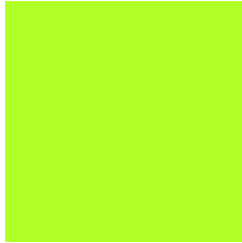
5.0625, 0.1787, 0.0758



0.5521, 0.1911, 0.0826

Previews

White Background



This preview shows how the Yxy color 81.0272, 0.3615, 0.5395 looks on a white background.

Color Contrast Check

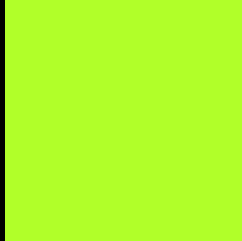
Large Text (above 18pt) WCAG AA × Fail

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 81.0272, 0.3615, 0.5395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

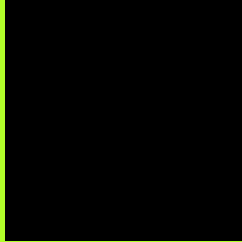
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.0272, 0.3615, 0.5395

Background



This preview shows how black text looks on a background with the Yxy color 81.0272, 0.3615, 0.5395.

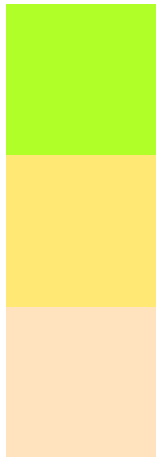


This preview shows how white text looks on a background with the Yxy color 81.0272, 0.3615, 0.5395.

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

81.0272, 0.3615, 0.5395

Protanopia

80.2110, 0.4038, 0.4426

Deuteranopia

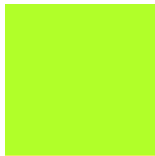
79.9598, 0.3572, 0.3656



Tritanopia

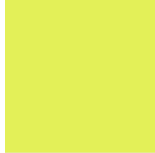
80.4849, 0.2809, 0.3099

Trichromacy



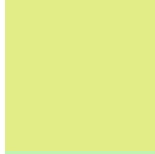
Original Color

81.0272, 0.3615, 0.5395



Protanomaly

79.3557, 0.3913, 0.4807



Deuteranomaly

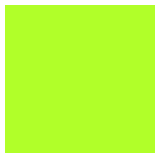
78.6768, 0.3688, 0.4369



Tritanomaly

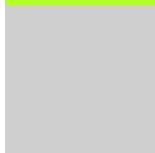
79.3450, 0.3199, 0.4059

Monochromacy



Original Color

81.0272, 0.3615, 0.5395



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

67.1537, 0.3428, 0.4210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0272, 0.3615, 0.5395 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(177, 255, 41)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 41)  
}
```

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(177, 255, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 41) }
```

Border

The CSS property to change the border of an element to Yxy 81.0272, 0.3615, 0.5395 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(177, 255, 41) }
```

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

```
.border{ border-color:rgb(177, 255, 41) }
```

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

Here you see how a box with a 4 pixel rgb(177, 255, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 41);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0272, 0.3615, 0.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 41) }
```

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

```
.background{ background-color: rgb(177,  
255, 41) }
```

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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