

Converting Colors

$Yxy(81.6956, 0.3657, 0.5376)$

Have a look what the booklet for
Yxy(81.6956, 0.3657, 0.5376)
contains.

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Color

Yxy(81.7272, 0.3659, 0.5375)

Conversions

Conversions Part 1

Format	Color
Hex	B7FF26
RGB	183, 255, 38
RGB Percent	72%, 100%, 15%
CMY	0.2825, 0.0000, 0.8504
CMYK	0.28, 0.00, 0.85, 0.00
HSL	80°, 100%, 57%
HSV	80°, 85%, 100%
XYZ	55.6353, 81.7272, 14.6881
YIQ	208.7340, 26.7450, -82.7510

Conversions

Conversions Part 2

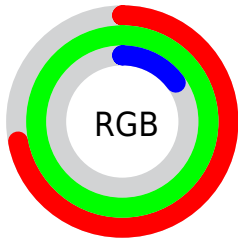
Format	Color
R _Y B	38, 255, 110
Decimal	12058406
CIE Lab	92.45, -49.22, 84.42
CIE LCh	92, 97.719, 120.245
Yxy	81.7272, 0.3659, 0.5375
Android (android.graphics.Color)	4290248486 (0xFFB7FF26)
YUV	208.7340, -84.1719, -22.5687
Hunter-Lab	90.4031, -48.3541, 53.6491

Details

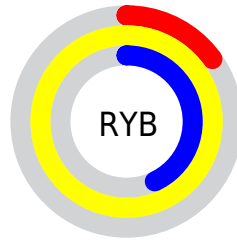
The Yxy color **81.7272, 0.3659, 0.5375** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **11.9425, 0.1899, 0.0900**, and the grayscale version is **64.1298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8146, 0.3880, 0.4704**, and **44.5991, 0.3542, 0.5570** is the 20% darker color. If you saturate the color by 10%, you get **80.6047, 0.3630, 0.5479**, and if you desaturate by 10%, it is **83.0200, 0.3664, 0.5220**.

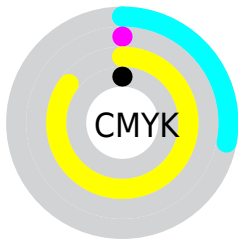
Distribution



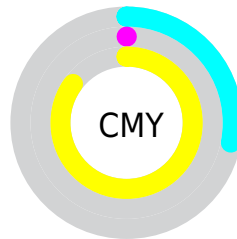
- Red (72%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (43%)



- Cyan (28%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)



- Cyan (28%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7272, 0.3659, 0.5375 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 81.7272, 0.3659, 0.5375 by changing the saturation by 10% instead.

 81.7272, 0.3659,
0.5375

 81.7272, 0.3659,
0.5375

500.7347, 0.3519,
0.4423

 61.1407, 0.3658,
0.5571


 135.7914, 0.3636,
0.5058


 44.3387, 0.3640,
0.5798


 170.0378, 0.3620,
0.4931

 30.9369, 0.3592,
0.6058


 209.6064, 0.3602,
0.4819

 20.5508, 0.3501,
0.6368

 254.8815, 0.3584,
0.4720

 12.7960, 0.3312,
0.6688

 306.2475, 0.3567,
0.4633

 7.2883, 0.2980,
0.7020


364.0887, 0.3550,


 3.6430, 0.2483,

0.4555


428.7897, 0.3534,
0.4485

0.7517


 1.4759, 0.0687,
0.9313


 0.2717, 0.0000,
1.0000


 81.7272, 0.3659,
0.5375


 81.7272, 0.3659,
0.5375


 80.6047, 0.3630,
0.5479


 83.0200, 0.3664,
0.5220

 80.0995, 0.3609,
0.5516


 84.5111, 0.3643,
0.5017


 86.2152, 0.3599,
0.4776

 88.1470, 0.3534,
0.4510

 90.3198, 0.3454,
0.4230

 92.7456, 0.3365,
0.3948

 95.4354, 0.3271,
0.3674

 98.3995, 0.3175,
0.3414

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.



81.7272, 0.4587, 0.4839



81.7272, 0.3659, 0.5375



81.7272, 0.2654, 0.5093

Triad

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



81.7272, 0.3659, 0.5375



81.7272, 0.1361, 0.1988



81.7272, 0.4466, 0.2659

Complementary

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



81.7272, 0.3659, 0.5375



11.9425, 0.1899, 0.0900

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.



81.7272, 0.3305, 0.2109



81.7272, 0.3659, 0.5375



81.7272, 0.1644, 0.1725

Square

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



81.7272, 0.3659, 0.5375



81.7272, 0.1407, 0.2690



81.7272, 0.2287, 0.1782



81.7272, 0.5214, 0.3334

Rectangle

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



81.7272, 0.3659, 0.5375



81.7272, 0.2068, 0.4347



81.7272, 0.2287, 0.1782



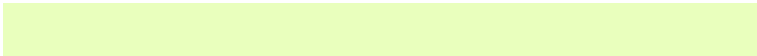
81.7272, 0.4095, 0.2456

Sweetspot

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



81.7248, 0.3659, 0.5375



92.5010, 0.3374, 0.3975



31.8789, 0.5559, 0.3784



19.6148, 0.3405, 0.4072



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.



81.7248, 0.3659, 0.5375



80.0995, 0.3609, 0.5516



73.2767, 0.3104, 0.5795



20.7708, 0.3218, 0.3528



41.9386, 0.3618, 0.5509



4.1431, 0.3685, 0.5456

Inverse Universe

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



11.9425, 0.1899, 0.0900



9.1373, 0.1726, 0.0724



23.1001, 0.2813, 0.1387



17.6708, 0.3031, 0.3048



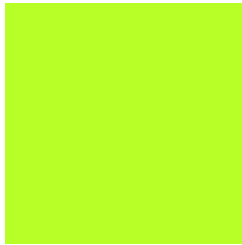
4.8467, 0.1741, 0.0733



0.5287, 0.1863, 0.0800

Previews

White Background



This preview shows how the Yxy color 81.7272, 0.3659, 0.5375 looks on a white background.

Color Contrast Check

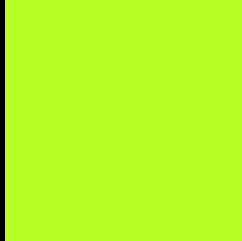
Large Text (above 18pt) WCAG AA × Fail

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 81.7272, 0.3659, 0.5375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

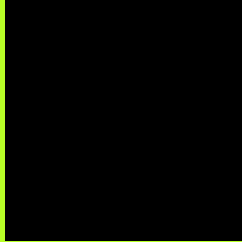
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

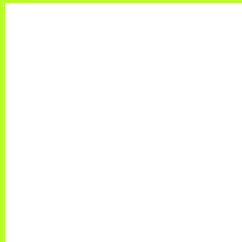
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7272, 0.3659, 0.5375

Background



This preview shows how black text looks on a background with the Yxy color 81.7272, 0.3659, 0.5375.

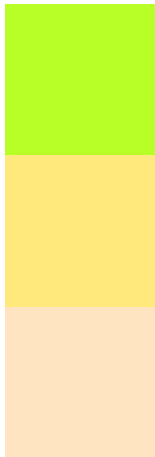


This preview shows how white text looks on a background with the Yxy color 81.7272, 0.3659, 0.5375.

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

81.7272, 0.3659, 0.5375

Protanopia

80.9931, 0.3983, 0.4359

Deuteranopia

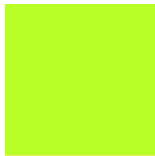
80.6418, 0.3549, 0.3635



Tritanopia

81.1983, 0.2839, 0.3100

Trichromacy



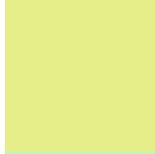
Original Color

81.7272, 0.3659, 0.5375



Protanomaly

80.3589, 0.3902, 0.4769



Deuteranomaly

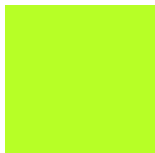
79.6132, 0.3693, 0.4362



Tritanomaly

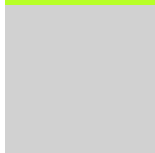
79.9781, 0.3238, 0.4062

Monochromacy



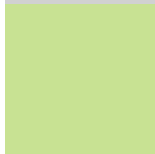
Original Color

81.7272, 0.3659, 0.5375



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.7787, 0.3453, 0.4220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7272, 0.3659, 0.5375 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(183, 255, 38)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 38)  
}
```

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(183, 255, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 38) }
```

Border

The CSS property to change the border of an element to Yxy 81.7272, 0.3659, 0.5375 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(183, 255, 38) }
```

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

```
.border{ border-color:rgb(183, 255, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 38);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7272, 0.3659, 0.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 38) }
```

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

```
.background{ background-color: rgb(183,  
255, 38) }
```

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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