

Converting Colors

$Y_{xy}(113.5105, 0.3456, 0.5473)$

Have a look what the booklet for
Yxy(113.5105, 0.3456, 0.5473)
contains.

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Color

Yxy(81.7809, 0.3612, 0.5290)

Conversions

Conversions Part 1

Format	Color
Hex	B6FF3B
RGB	182, 255, 59
RGB Percent	71%, 100%, 23%
CMY	0.2863, 0.0000, 0.7687
CMYK	0.29, 0.00, 0.77, 0.00
HSL	82°, 100%, 62%
HSV	82°, 77%, 100%
XYZ	55.8398, 81.7809, 16.9746
YIQ	210.8290, 19.4080, -76.4320

Conversions

Conversions Part 2

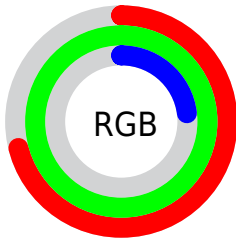
Format	Color
RYB	59, 255, 132
Decimal	11992891
CIELab	92.48, -48.81, 79.39
CIELCh	92, 93.196, 121.584
Yxy	81.7809, 0.3612, 0.5290
Android (android.graphics.Color)	4290182971 (0xFFB6FF3B)
YUV	210.8290, -74.8517, -25.2830
Hunter-Lab	90.4328, -48.0384, 52.1740

Details

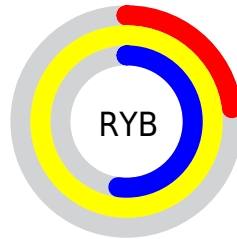
The Yxy color **81.7809, 0.3612, 0.5290** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **15.2480, 0.2075, 0.1086**, and the grayscale version is **65.5136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7777, 0.3803, 0.4602**, and **44.5991, 0.3542, 0.5570** is the 20% darker color. If you saturate the color by 10%, you get **80.4600, 0.3596, 0.5443**, and if you desaturate by 10%, it is **83.3081, 0.3602, 0.5087**.

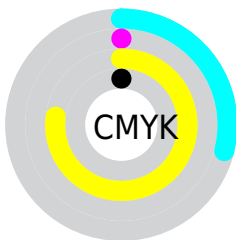
Distribution



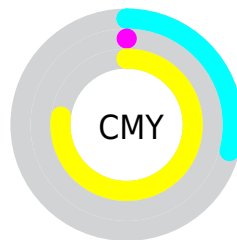
- Red (71%)
- Green (100%)
- Blue (23%)



- Red (23%)
- Yellow (100%)
- Blue (52%)



- Cyan (29%)
- Magenta (0%)
- Yellow (77%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7809, 0.3612, 0.5290 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 81.7809, 0.3612, 0.5290 by changing the saturation by 10% instead.

 81.7809, 0.3612,
0.5290


 81.7809, 0.3612,
0.5290


500.9145, 0.3480,
0.4367


 61.1850, 0.3614,
0.5485


 135.8667, 0.3588,
0.4980


 44.3744, 0.3601,
0.5713


 170.1254, 0.3573,
0.4855

 30.9650, 0.3561,
0.5980


 209.7070, 0.3556,
0.4747

 20.5722, 0.3475,
0.6288

 254.9961, 0.3540,
0.4652

 12.8117, 0.3326,
0.6674

 306.3770, 0.3524,
0.4568

 7.2990, 0.2997,
0.7003

364.2341, 0.3508,

 3.6498, 0.2504,

0.4493

0.7496

428.9518, 0.3494,
0.4426

■ 1.4796, 0.0758,
0.9242

■ 0.2743, 0.0000,
1.0000

■ 81.7809, 0.3612,
0.5290

■ 81.7809, 0.3612,
0.5290

■ 80.4600, 0.3596,
0.5443

■ 83.3081, 0.3602,
0.5087

■ 79.3246, 0.3558,
0.5544

■ 85.0613, 0.3569,
0.4845

■ 78.9975, 0.3543,
0.5569

■ 87.0557, 0.3514,
0.4574

■ 89.3051, 0.3444,
0.4290

■ 91.8221, 0.3364,
0.4004

■ 94.6184, 0.3277,
0.3725

■ 97.7047, 0.3188,
0.3461

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.



81.7809, 0.4511, 0.4825



81.7809, 0.3612, 0.5290



81.7809, 0.2644, 0.4959

Triad

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



81.7809, 0.3612, 0.5290



81.7809, 0.1426, 0.2023



81.7809, 0.4450, 0.2715

Complementary

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



81.7809, 0.3612, 0.5290



15.2480, 0.2075, 0.1086

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.



81.7809, 0.3351, 0.2172



81.7809, 0.3612, 0.5290



81.7809, 0.1717, 0.1777

Square

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



81.7809, 0.3612, 0.5290



81.7809, 0.1459, 0.2683



81.7809, 0.2359, 0.1842



81.7809, 0.5138, 0.3377

Rectangle

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



81.7809, 0.3612, 0.5290



81.7809, 0.2085, 0.4238



81.7809, 0.2359, 0.1842



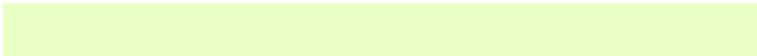
81.7809, 0.4102, 0.2515

Sweetspot

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



81.7803, 0.3612, 0.5290



92.8719, 0.3330, 0.3895



37.7670, 0.5185, 0.3907



19.6686, 0.3361, 0.3996



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.



81.7803, 0.3612, 0.5290



79.8568, 0.3579, 0.5501



73.7717, 0.3093, 0.5661



20.7330, 0.3211, 0.3529



41.3659, 0.3553, 0.5561



4.0900, 0.3626, 0.5503

Inverse Universe

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



15.2480, 0.2075, 0.1086



10.9080, 0.1870, 0.0834



26.9802, 0.2949, 0.1533



17.7072, 0.3037, 0.3048



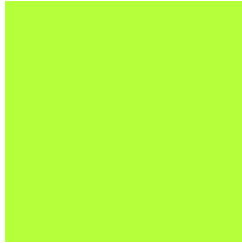
5.1206, 0.1799, 0.0765



0.5583, 0.1924, 0.0833

Previews

White Background



This preview shows how the Yxy color 81.7809, 0.3612, 0.5290 looks on a white background.

Color Contrast Check

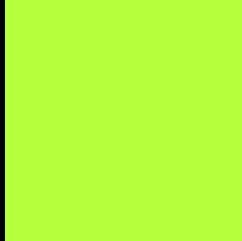
Large Text (above 18pt) WCAG AA × Fail

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 81.7809, 0.3612, 0.5290 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

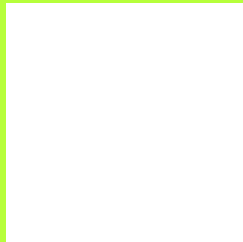
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7809, 0.3612, 0.5290

Background



This preview shows how black text looks on a background with the Yxy color 81.7809, 0.3612, 0.5290.

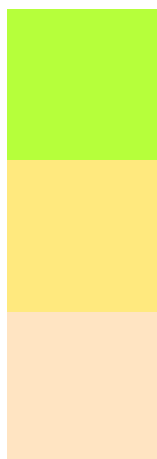


This preview shows how white text looks on a background with the Yxy color 81.7809, 0.3612, 0.5290.

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

81.7809, 0.3612, 0.5290

Protanopia

81.0442, 0.3972, 0.4342

Deuteranopia

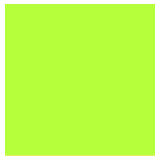
80.6418, 0.3549, 0.3635



Tritanopia

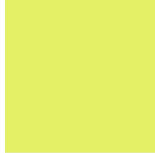
81.0538, 0.2833, 0.3100

Trichromacy



Original Color

81.7809, 0.3612, 0.5290



Protanomaly

80.3639, 0.3855, 0.4704



Deuteranomaly

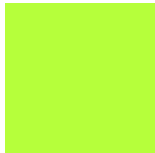
79.6874, 0.3639, 0.4285



Tritanomaly

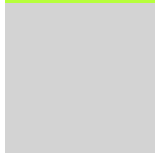
80.1678, 0.3184, 0.3971

Monochromacy



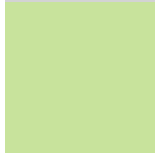
Original Color

81.7809, 0.3612, 0.5290



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.6178, 0.3394, 0.4125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7809, 0.3612, 0.5290 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(182, 255, 59)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 59)  
}
```

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(182, 255, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 59) }
```

Border

The CSS property to change the border of an element to Yxy 81.7809, 0.3612, 0.5290 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(182, 255, 59) }
```

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

```
.border{ border-color:rgb(182, 255, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 59);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7809, 0.3612, 0.5290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 59) }
```

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

```
.background{ background-color: rgb(182,  
255, 59) }
```

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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