

Converting Colors

$Yxy(81.5760, 0.3556, 0.5224)$

Have a look what the booklet for
Yxy(81.5760, 0.3556, 0.5224)
contains.

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Color

Yxy(81.5847, 0.3555, 0.5221)

Conversions

Conversions Part 1

Format	Color
Hex	B3FF49
RGB	179, 255, 73
RGB Percent	70%, 100%, 29%
CMY	0.2981, 0.0000, 0.7136
CMYK	0.30, 0.00, 0.71, 0.00
HSL	85°, 100%, 64%
HSV	85°, 71%, 100%
XYZ	55.5514, 81.5847, 19.1265
YIQ	211.5280, 13.1260, -72.7140

Conversions

Conversions Part 2

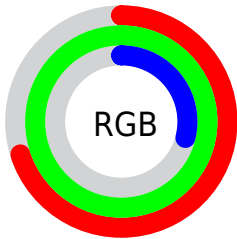
Format	Color
R_{YB}	73, 255, 149
Decimal	11796297
CIE _{Lab}	92.39, -49.16, 74.87
CIE _{LCh}	92, 89.568, 123.288
Yxy	81.5847, 0.3555, 0.5221
Android (android.graphics.Color)	4289986377 (0xFFB3FF49)
YUV	211.5280, -68.2943, -28.5271
Hunter-Lab	90.3242, -48.2861, 50.6721

Details

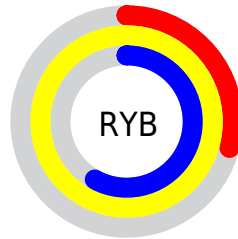
The Yxy color **81.5847, 0.3555, 0.5221** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **18.3821, 0.2224, 0.1245**, and the grayscale version is **65.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5367, 0.3728, 0.4519**, and **44.3812, 0.3518, 0.5589** is the 20% darker color. If you saturate the color by 10%, you get **80.0912, 0.3547, 0.5410**, and if you desaturate by 10%, it is **83.3125, 0.3539, 0.4986**.

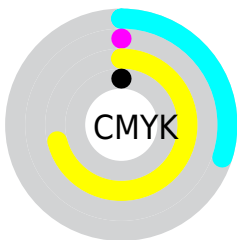
Distribution



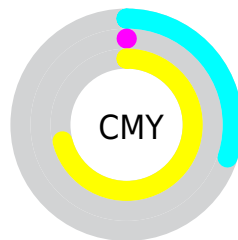
- Red (70%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (58%)



- Cyan (30%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5847, 0.3555, 0.5221 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 81.5847, 0.3555, 0.5221 by changing the saturation by 10% instead.


 81.5847, 0.3555,
0.5221


 81.5847, 0.3555,
0.5221


500.2575, 0.3438,
0.4320

 61.0233, 0.3557,
0.5415

 135.5915, 0.3534,
0.4915


 44.2439, 0.3545,
0.5645


 169.8056, 0.3520,
0.4794


 30.8623, 0.3510,
0.5918


 209.3394, 0.3505,
0.4688

 20.4940, 0.3431,
0.6239

 254.5773, 0.3491,
0.4596

 12.7547, 0.3312,
0.6688

 305.9036, 0.3477,
0.4514

 7.2598, 0.2979,
0.7021

363.7028, 0.3463,

 3.6251, 0.2482,

0.4442

0.7518

428.3593, 0.3450,
0.4378

■ 1.4662, 0.0661,
0.9339

■ 0.2647, 0.0000,
1.0000

■ 81.5847, 0.3555,
0.5221

■ 81.5847, 0.3555,
0.5221

■ 80.0912, 0.3547,
0.5410

■ 83.3125, 0.3539,
0.4986

■ 78.8151, 0.3515,
0.5546

■ 85.2953, 0.3501,
0.4718

■ 77.8609, 0.3472,
0.5625

■ 87.5472, 0.3445,
0.4431

■ 90.0818, 0.3377,
0.4139

■ 92.9118, 0.3300,
0.3852

■ 96.0490, 0.3219,
0.3578

■ 99.5043, 0.3138,
0.3323

■ 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.



81.5847, 0.4433, 0.4822



81.5847, 0.3555, 0.5221



81.5847, 0.2618, 0.4838

Triad

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



81.5847, 0.3555, 0.5221



81.5847, 0.1481, 0.2042



81.5847, 0.4454, 0.2771

Complementary

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



81.5847, 0.3555, 0.5221



18.3821, 0.2224, 0.1245

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.



81.5847, 0.3407, 0.2231



81.5847, 0.3555, 0.5221



81.5847, 0.1785, 0.1818

Square

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



81.5847, 0.3555, 0.5221



81.5847, 0.1498, 0.2662



81.5847, 0.2433, 0.1896



81.5847, 0.5084, 0.3424

Rectangle

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



81.5847, 0.3555, 0.5221



81.5847, 0.2084, 0.4132



81.5847, 0.2433, 0.1896



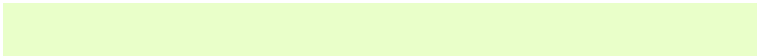
81.5847, 0.4126, 0.2574

Sweetspot

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



81.5835, 0.3555, 0.5221



93.0199, 0.3297, 0.3842



43.1887, 0.4914, 0.3992



19.7357, 0.3319, 0.3920



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.



81.5835, 0.3555, 0.5221



79.4738, 0.3535, 0.5480



74.0855, 0.3071, 0.5548



20.6906, 0.3204, 0.3529



40.7737, 0.3483, 0.5616



4.0342, 0.3561, 0.5554

Inverse Universe

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



18.3821, 0.2224, 0.1245



12.9992, 0.2018, 0.0955



30.4852, 0.3055, 0.1654



17.7484, 0.3044, 0.3049



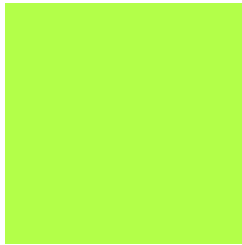
5.4732, 0.1871, 0.0805



0.5953, 0.1997, 0.0874

Previews

White Background



This preview shows how the Yxy color 81.5847, 0.3555, 0.5221 looks on a white background.

Color Contrast Check

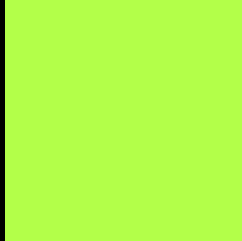
Large Text (above 18pt) WCAG AA × Fail

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 81.5847, 0.3555, 0.5221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

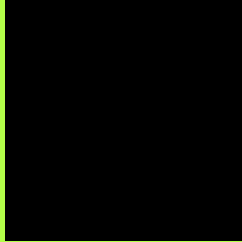
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.5847, 0.3555, 0.5221

Background



This preview shows how black text looks on a background with the Yxy color 81.5847, 0.3555, 0.5221.



This preview shows how white text looks on a background with the Yxy color 81.5847, 0.3555, 0.5221.

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

81.5847, 0.3555, 0.5221

Protanopia

80.4285, 0.3988, 0.4351

Deuteranopia

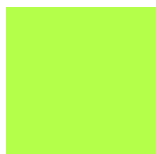
80.6418, 0.3549, 0.3635



Tritanopia

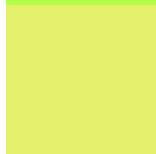
81.3482, 0.2821, 0.3110

Trichromacy



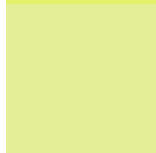
Original Color

81.5847, 0.3555, 0.5221



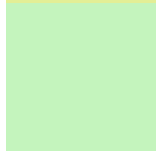
Protanomaly

79.6710, 0.3838, 0.4677



Deuteranomaly

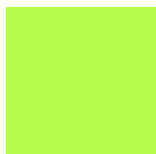
79.6820, 0.3602, 0.4236



Tritanomaly

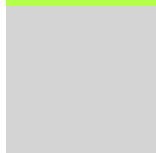
80.1113, 0.3142, 0.3915

Monochromacy



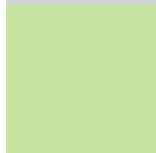
Original Color

81.5847, 0.3555, 0.5221



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.3394, 0.3361, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5847, 0.3555, 0.5221 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(179, 255, 73)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 73)  
}
```

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(179, 255, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 73) }
```

Border

The CSS property to change the border of an element to Yxy 81.5847, 0.3555, 0.5221 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(179, 255, 73) }
```

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

```
.border{ border-color:rgb(179, 255, 73) }
```

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

Here you see how a box with a 4 pixel rgb(179, 255, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 73);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5847, 0.3555, 0.5221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 73) }
```

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

```
.background{ background-color: rgb(179,  
255, 73) }
```

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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