

Converting Colors

$Y_{xy}(100.0000, 0.3493, 0.5436)$

Have a look what the booklet for
Yxy(100.0000, 0.3493, 0.5436)
contains.

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Color

Yxy(81.2705, 0.3592, 0.5324)

Conversions

Conversions Part 1

Format	Color
Hex	B2FF38
RGB	178, 255, 56
RGB Percent	70%, 100%, 22%
CMY	0.3020, 0.0000, 0.7801
CMYK	0.30, 0.00, 0.78, 0.00
HSL	83°, 100%, 61%
HSV	83°, 78%, 100%
XYZ	54.8316, 81.2705, 16.5472
YIQ	209.2910, 17.9870, -78.2130

Conversions

Conversions Part 2

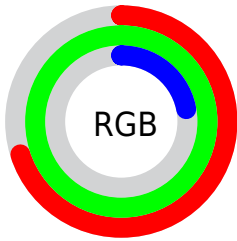
Format	Color
RYB	56, 255, 133
Decimal	11730744
CIELab	92.25, -50.37, 79.91
CIElCh	92, 94.463, 122.225
Yxy	81.2705, 0.3592, 0.5324
Android (android.graphics.Color)	4289920824 (0xFFB2FF38)
YUV	209.2910, -75.5725, -27.4422
Hunter-Lab	90.1502, -49.1945, 52.2223

Details

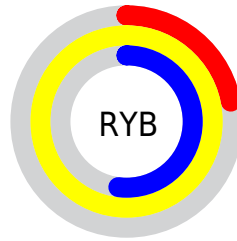
The Yxy color **81.2705, 0.3592, 0.5324** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **15.0507, 0.2080, 0.1074**, and the grayscale version is **64.4563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0291, 0.3784, 0.4633**, and **44.3101, 0.3510, 0.5595** is the 20% darker color. If you saturate the color by 10%, you get **79.9530, 0.3572, 0.5473**, and if you desaturate by 10%, it is **82.7953, 0.3587, 0.5124**.

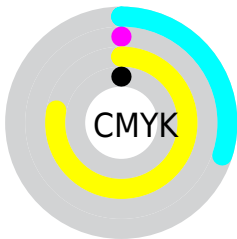
Distribution



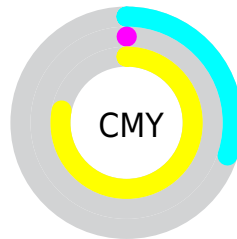
- Red (70%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (52%)



- Cyan (30%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2705, 0.3592, 0.5324 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 81.2705, 0.3592, 0.5324 by changing the saturation by 10% instead.


 81.2705, 0.3592,
0.5324

 81.2705, 0.3592,
0.5324


499.2043, 0.3471,
0.4382

 60.7644, 0.3590,
0.5523


 135.1505, 0.3573,
0.5007


 44.0351, 0.3573,
0.5756


 169.2932, 0.3559,
0.4880

 30.6981, 0.3527,
0.6028


 208.7503, 0.3544,
0.4770

 20.3690, 0.3433,
0.6345

 253.9060, 0.3528,
0.4673

 12.6636, 0.3268,
0.6732

 305.1449, 0.3513,
0.4587

 7.1973, 0.2926,
0.7074

362.8513, 0.3499,

 3.5858, 0.2415,

0.4511

427.4096, 0.3485,
0.4443

0.7585

1.4447, 0.0396,
0.9604

0.2493, 0.0000,
1.0000

81.2705, 0.3592,
0.5324

81.2705, 0.3592,
0.5324

79.9530, 0.3572,
0.5473

82.7953, 0.3587,
0.5124

78.8237, 0.3529,
0.5571

84.5517, 0.3559,
0.4882

78.6143, 0.3520,
0.5587

86.5536, 0.3509,
0.4611

88.8155, 0.3443,
0.4326

 91.3502, 0.3366,
0.4038

 94.1697, 0.3282,
0.3757

 97.2849, 0.3196,
0.3490

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.



81.2705, 0.4507, 0.4855



81.2705, 0.3592, 0.5324



81.2705, 0.2614, 0.4971

Triad

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



81.2705, 0.3592, 0.5324



81.2705, 0.1409, 0.1996



81.2705, 0.4491, 0.2719

Complementary

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



81.2705, 0.3592, 0.5324



15.0507, 0.2080, 0.1074

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.



81.2705, 0.3378, 0.2168



81.2705, 0.3592, 0.5324



81.2705, 0.1710, 0.1757

Square

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



81.2705, 0.3592, 0.5324



81.2705, 0.1435, 0.2652



81.2705, 0.2366, 0.1830



81.2705, 0.5175, 0.3389

Rectangle

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



81.2705, 0.3592, 0.5324



81.2705, 0.2053, 0.4227



81.2705, 0.2366, 0.1830



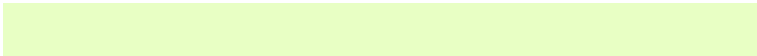
81.2705, 0.4140, 0.2517

Sweetspot

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



81.2687, 0.3592, 0.5324



92.7260, 0.3325, 0.3896



38.1390, 0.5188, 0.3938



19.6332, 0.3355, 0.3998



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.



81.2687, 0.3592, 0.5324



79.2565, 0.3548, 0.5537



73.4809, 0.3078, 0.5694



20.7191, 0.3209, 0.3529



41.1664, 0.3530, 0.5579



4.0713, 0.3605, 0.5520

Inverse Universe

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



15.0507, 0.2080, 0.1074



10.7653, 0.1870, 0.0824



27.1771, 0.2977, 0.1536



17.7206, 0.3040, 0.3049



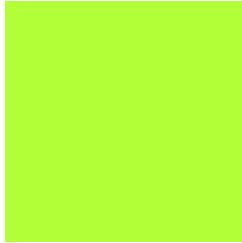
5.2305, 0.1822, 0.0777



0.5700, 0.1947, 0.0846

Previews

White Background



This preview shows how the Yxy color 81.2705, 0.3592, 0.5324 looks on a white background.

Color Contrast Check

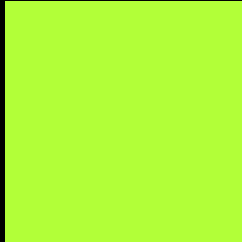
Large Text (above 18pt) WCAG AA × Fail

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 81.2705, 0.3592, 0.5324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

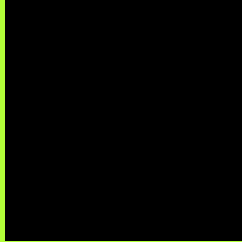
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

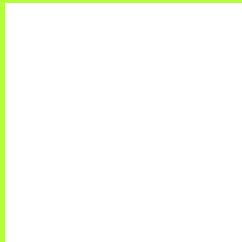
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2705, 0.3592, 0.5324

Background



This preview shows how black text looks on a background with the Yxy color 81.2705, 0.3592, 0.5324.

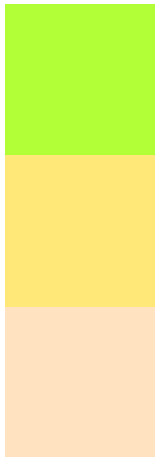


This preview shows how white text looks on a background with the Yxy color 81.2705, 0.3592, 0.5324.

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

81.2705, 0.3592, 0.5324

Protanopia

80.3051, 0.4016, 0.4393

Deuteranopia

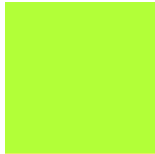
80.0039, 0.3565, 0.3646



Tritanopia

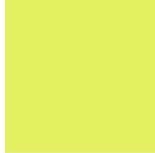
80.6257, 0.2815, 0.3099

Trichromacy



Original Color

81.2705, 0.3592, 0.5324



Protanomaly

79.4956, 0.3879, 0.4748



Deuteranomaly

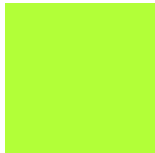
78.8824, 0.3647, 0.4299



Tritanomaly

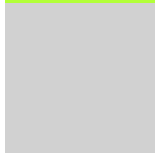
79.7224, 0.3171, 0.3987

Monochromacy



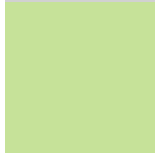
Original Color

81.2705, 0.3592, 0.5324



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.6984, 0.3401, 0.4154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2705, 0.3592, 0.5324 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(178, 255, 56)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 56)  
}
```

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(178, 255, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 56) }
```

Border

The CSS property to change the border of an element to Yxy 81.2705, 0.3592, 0.5324 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(178, 255, 56) }
```

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

```
.border{ border-color:rgb(178, 255, 56) }
```

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

Here you see how a box with a 4 pixel rgb(178, 255, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 56);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2705, 0.3592, 0.5324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 56) }
```

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

```
.background{ background-color: rgb(178,  
255, 56) }
```

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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