

Converting Colors

$Yxy(82.7195, 0.3519, 0.4946)$

Have a look what the booklet for
Yxy(82.7195, 0.3519, 0.4946)
contains.

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Color

Yxy(82.6817, 0.3520, 0.4944)

Conversions

Conversions Part 1

| Format | Color |
|----------------------|--|
| Hex | BDFE67 |
| RGB | 189, 254, 103 |
| RGB Percent | 74%, 100%, 40% |
| CMY | 0.2590, 0.0039, 0.5961 |
| CMYK | 0.26, 0.00, 0.59, 0.00 |
| HSL | 86°, 99%, 70% |
| HSV | 86°, 59%, 100% |
| XYZ | 58.8672, 82.6817, 25.6875 |
| YIQ | 217.3510, 9.7310, -60.7410 |

Conversions

Conversions Part 2

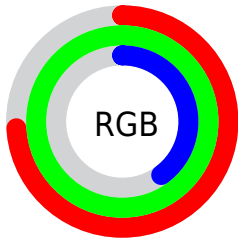
| Format | Color |
|-------------------------------------|--|
| RYB | 103, 254, 168 |
| Decimal | 12451431 |
| CIELab | 92.87, -43.09, 64.13 |
| CIELCh | 93, 77.264, 123.894 |
| Yxy | 82.6817, 0.3520, 0.4944 |
| Android (android.graphics.Color) | 4290641511 (0xFFBDFE67) |
| YUV | 217.3510, -56.3750, -24.8638 |
| Hunter-Lab | 90.9295, -43.5667, 46.9012 |

Details

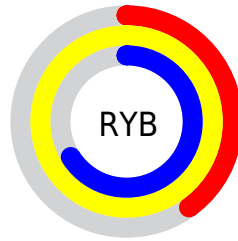
The Yxy color **82.6817, 0.3520, 0.4944** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.1893, 0.2421, 0.1568**, and the grayscale version is **70.0266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9797, 0.3646, 0.4245**, and **45.0275, 0.3542, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **80.9036, 0.3538, 0.5189**, and if you desaturate by 10%, it is **84.7276, 0.3480, 0.4669**.

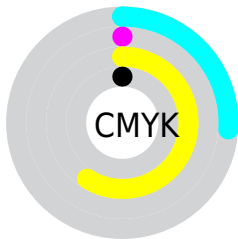
Distribution



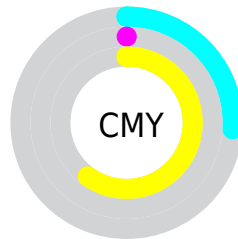
- Red (74%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (66%)



- Cyan (26%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6817, 0.3520, 0.4944 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 82.6817, 0.3520, 0.4944 by changing the saturation by 10% instead.

 82.6817, 0.3520,
0.4944


 82.6817, 0.3520,
0.4944


503.9251, 0.3394,
0.4168

 61.9276, 0.3532,
0.5116


 137.1296, 0.3489,
0.4677


 44.9742, 0.3537,
0.5323


 171.5921, 0.3474,
0.4573

 31.4371, 0.3529,
0.5575


 211.3930, 0.3458,
0.4482

 20.9319, 0.3493,
0.5883

 256.9165, 0.3444,
0.4403

 13.0742, 0.3407,
0.6265

308.5470, 0.3430,
0.4333

 7.4797, 0.3236,
0.6764


366.6691, 0.3417,


 3.7639, 0.2804,


0.4272


0.7196


431.6670, 0.3405,
0.4217


 1.5424, 0.1642,
0.8358


 0.3183, 0.0000,
1.0000

 82.6817, 0.3520,
0.4944


 82.6817, 0.3520,
0.4944


 80.9036, 0.3538,
0.5189


 84.7276, 0.3480,
0.4669


 79.3655, 0.3533,
0.5390


 87.0452, 0.3424,
0.4378


 78.0514, 0.3504,
0.5539

 89.6519, 0.3356,
0.4084

 76.9321, 0.3455,
0.5636

 92.5601, 0.3281,
0.3799

 76.8746, 0.3452,
0.5641

 95.7816, 0.3202,
0.3528

99.3007, 0.3125,
0.3281

99.3734, 0.3128,
0.3281

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6817, 0.4290, 0.4669



82.6817, 0.3520, 0.4944



82.6817, 0.2691, 0.4574

Triad

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



82.6817, 0.3520, 0.4944



82.6817, 0.1665, 0.2195



82.6817, 0.4286, 0.2857

Complementary

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



82.6817, 0.3520, 0.4944



25.1893, 0.2421, 0.1568

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.



82.6817, 0.3397, 0.2363



82.6817, 0.3520, 0.4944



82.6817, 0.1950, 0.1984

Square

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



82.6817, 0.3520, 0.4944



82.6817, 0.1682, 0.2751



82.6817, 0.2542, 0.2055



82.6817, 0.4823, 0.3456

Rectangle

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



82.6817, 0.3520, 0.4944



82.6817, 0.2217, 0.3987



82.6817, 0.2542, 0.2055



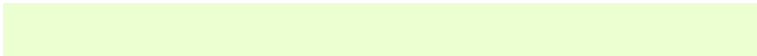
82.6817, 0.4009, 0.2677

Sweetspot

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



82.6853, 0.3520, 0.4944



93.8288, 0.3269, 0.3759



49.2977, 0.4534, 0.3925



19.8907, 0.3292, 0.3840



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.



82.6853, 0.3520, 0.4944



81.3603, 0.3539, 0.5224



75.5574, 0.3093, 0.5188



20.6783, 0.3202, 0.3530



40.6125, 0.3463, 0.5632



4.0189, 0.3543, 0.5569

Inverse Universe

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



25.1893, 0.2421, 0.1568



18.7819, 0.2249, 0.1263



35.6341, 0.3076, 0.1853



17.7604, 0.3046, 0.3049



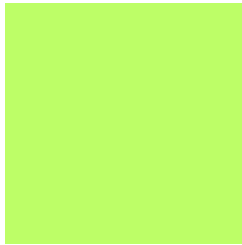
5.5844, 0.1894, 0.0817



0.6067, 0.2019, 0.0886

Previews

White Background



This preview shows how the Yxy color 82.6817, 0.3520, 0.4944 looks on a white background.

Color Contrast Check

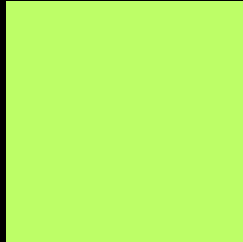
Large Text (above 18pt) WCAG AA × Fail

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 82.6817, 0.3520, 0.4944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

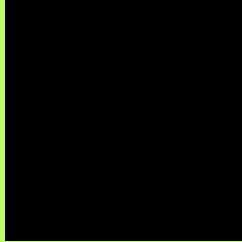
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.6817, 0.3520, 0.4944

Background



This preview shows how black text looks on a background with the Yxy color 82.6817, 0.3520, 0.4944.

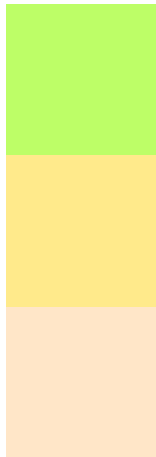


This preview shows how white text looks on a background with the Yxy color 82.6817, 0.3520, 0.4944.

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

82.6817, 0.3520, 0.4944

Protanopia

81.9697, 0.3891, 0.4235

Deuteranopia

82.0238, 0.3503, 0.3594



Tritanopia

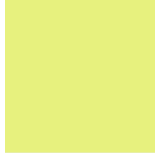
82.3661, 0.2863, 0.3112

Trichromacy



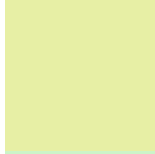
Original Color

82.6817, 0.3520, 0.4944



Protanomaly

81.4059, 0.3757, 0.4487



Deuteranomaly

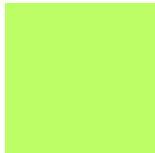
81.4385, 0.3537, 0.4079



Tritanomaly

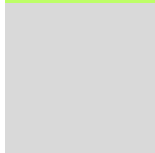
81.7089, 0.3130, 0.3779

Monochromacy



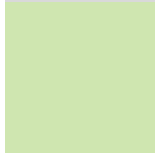
Original Color

82.6817, 0.3520, 0.4944



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.9936, 0.3313, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6817, 0.3520, 0.4944 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(189, 254, 103)` looks like.

```
.text, #text, p{  
    color:rgb(189, 254, 103)  
}
```

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(189, 254, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 254, 103) }
```

Border

The CSS property to change the border of an element to Yxy 82.6817, 0.3520, 0.4944 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(189, 254, 103) }
```

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

```
.border{ border-color:rgb(189, 254, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 254, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 254, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 254, 103);  
box-shadow:4px 4px 4px 4px rgb(189, 254,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6817, 0.3520, 0.4944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 254, 103) }
```

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

```
.background{ background-color: rgb(189,  
254, 103) }
```

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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