

Converting Colors

$Y_{xy}(84.5082, 0.3481, 0.4480)$

Have a look what the booklet for
Yxy(84.5082, 0.3481, 0.4480)
contains.

Yxy(84.5027, 0.3482, 0.4480)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.5027, 0.3482, 0.4480)

Conversions

Conversions Part 1

Format	Color
Hex	D1FB8E
RGB	209, 251, 142
RGB Percent	82%, 98%, 56%
CMY	0.1803, 0.0157, 0.4431
CMYK	0.17, 0.00, 0.43, 0.02
HSL	83°, 93%, 77%
HSV	83°, 43%, 98%
XYZ	65.6782, 84.5027, 38.4412
YIQ	226.0160, 9.9570, -42.8030

Conversions

Conversions Part 2

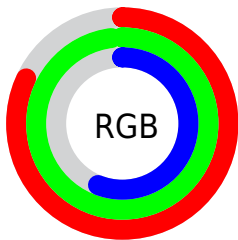
Format	Color
RYB	142, 251, 184
Decimal	13761422
CIELab	93.67, -30.67, 47.73
CIELCh	94, 56.732, 122.721
Yxy	84.5027, 0.3482, 0.4480
Android (android.graphics.Color)	4291951502 (0xFFD1FB8E)
YUV	226.0160, -41.4199, -14.9230
Hunter-Lab	91.9254, -33.3359, 39.5540

Details

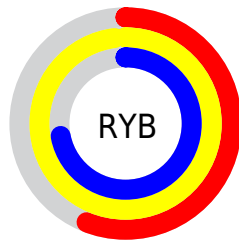
The Yxy color **84.5027, 0.3482, 0.4480** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.5016, 0.2614, 0.2037**, and the grayscale version is **76.3700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **46.0771, 0.3535, 0.4758** is the 20% darker color. If you saturate the color by 10%, you get **82.4675, 0.3540, 0.4759**, and if you desaturate by 10%, it is **86.8007, 0.3410, 0.4192**.

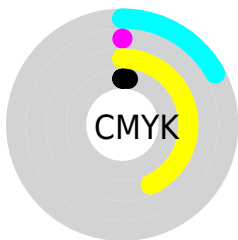
Distribution



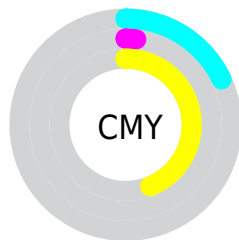
- Red (82%)
- Green (98%)
- Blue (56%)



- Red (56%)
- Yellow (98%)
- Blue (72%)



- Cyan (17%)
- Magenta (0%)
- Yellow (43%)
- Black (2%)



- Cyan (18%)
- Magenta (2%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5027, 0.3482, 0.4480 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 84.5027, 0.3482, 0.4480 by changing the saturation by 10% instead.


 84.5027, 0.3482,
0.4480


 84.5027, 0.3482,
0.4480


509.9811, 0.3345,
0.3924

 63.4306, 0.3505,
0.4605


 139.6782, 0.3441,
0.4288

 46.1896, 0.3530,
0.4759


 174.5503, 0.3423,
0.4213

 32.3955, 0.3553,
0.4949


214.7912, 0.3407,
0.4148

 21.6637, 0.3572,
0.5191

260.7852, 0.3392,
0.4092

 13.6100, 0.3574,
0.5503

312.9168, 0.3379,
0.4042

 7.8499, 0.3538,
0.5918

371.5704, 0.3366,

 3.9991, 0.3444,

0.3998

0.6556

437.1304, 0.3355,
0.3959

■ 1.6730, 0.2919,
0.7081

■ 0.4061, 0.0000,
1.0000

■ 84.5027, 0.3482,
0.4480

■ 84.5027, 0.3482,
0.4480

■ 82.4675, 0.3540,
0.4759

■ 86.8007, 0.3410,
0.4192

■ 80.6709, 0.3579,
0.5015

■ 89.3622, 0.3329,
0.3907

■ 79.1020, 0.3596,
0.5235

■ 92.2020, 0.3243,
0.3632

■ 77.7443, 0.3587,
0.5408

■ 95.3304, 0.3157,
0.3374

■ 76.5779, 0.3554,
0.5529

■ 97.4752, 0.3129,
0.3252

■ 75.8968, 0.3523,
0.5584

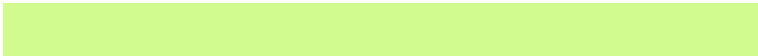
Harmonies

Analogous

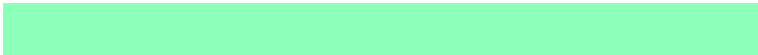
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5027, 0.4048, 0.4332



84.5027, 0.3482, 0.4480



84.5027, 0.2852, 0.4208

Triad

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



84.5027, 0.3482, 0.4480



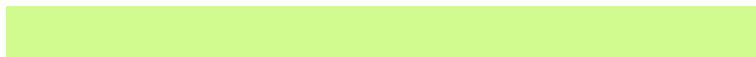
84.5027, 0.1998, 0.2491



84.5027, 0.3952, 0.2960

Complementary

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



84.5027, 0.3482, 0.4480



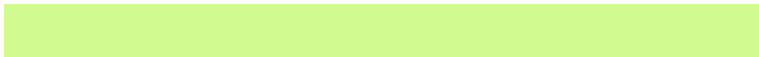
36.5016, 0.2614, 0.2037

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.



84.5027, 0.3311, 0.2570



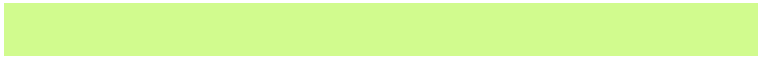
84.5027, 0.3482, 0.4480



84.5027, 0.2219, 0.2295

Square

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



84.5027, 0.3482, 0.4480



84.5027, 0.2031, 0.2941



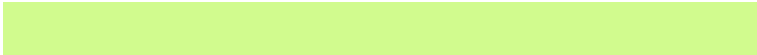
84.5027, 0.2677, 0.2333



84.5027, 0.4361, 0.3438

Rectangle

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



84.5027, 0.3482, 0.4480



84.5027, 0.2481, 0.3818



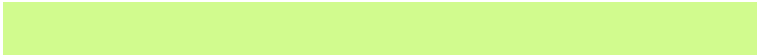
84.5027, 0.2677, 0.2333



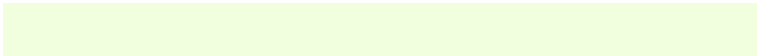
84.5027, 0.3752, 0.2817

Sweetspot

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



84.5064, 0.3482, 0.4480



95.7041, 0.3240, 0.3621



56.6553, 0.4072, 0.3735



20.3394, 0.3259, 0.3680



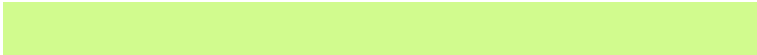
0.0000, 0.0000, 0.0000



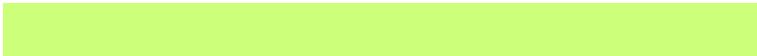
21.4041, 0.3127, 0.3290

Same Dimension

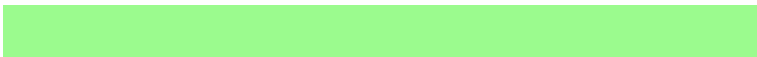
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5064, 0.3482, 0.4480



85.7619, 0.3533, 0.4721



77.8895, 0.3135, 0.4620



19.8375, 0.3209, 0.3529



39.9804, 0.3534, 0.5576



3.7639, 0.3612, 0.5514

Inverse Universe

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



36.5016, 0.2614, 0.2037



30.1759, 0.2483, 0.1767



44.5393, 0.3068, 0.2188



16.9689, 0.3039, 0.3049



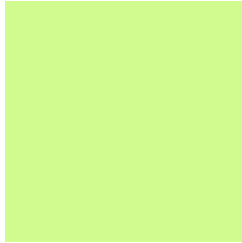
5.0652, 0.1820, 0.0776



0.5281, 0.1951, 0.0849

Previews

White Background



This preview shows how the Yxy color 84.5027, 0.3482, 0.4480 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 84.5027, 0.3482, 0.4480 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 84.5027, 0.3482, 0.4480

Background



This preview shows how black text looks on a background with the Yxy color 84.5027, 0.3482, 0.4480.

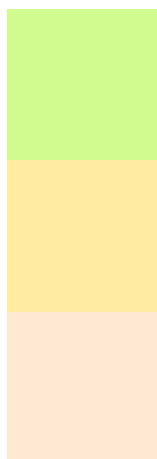


This preview shows how white text looks on a background with the Yxy color 84.5027, 0.3482, 0.4480.

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

84.5027, 0.3482, 0.4480

Protanopia

83.8241, 0.3747, 0.4044

Deuteranopia

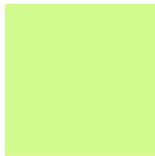
84.1910, 0.3430, 0.3521



Tritanopia

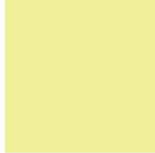
84.3766, 0.2943, 0.3116

Trichromacy



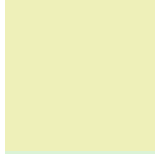
Original Color

84.5027, 0.3482, 0.4480



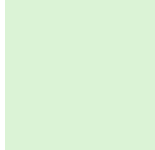
Protanomaly

83.4208, 0.3649, 0.4196



Deuteranomaly

84.0001, 0.3459, 0.3865



Tritanomaly

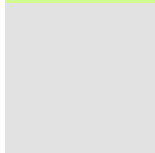
84.0163, 0.3145, 0.3600

Monochromacy



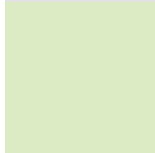
Original Color

84.5027, 0.3482, 0.4480



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.5724, 0.3277, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5027, 0.3482, 0.4480 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(209, 251, 142)` looks like.

```
.text, #text, p{  
    color:rgb(209, 251, 142)  
}
```

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(209, 251, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 251, 142) }
```

Border

The CSS property to change the border of an element to Yxy 84.5027, 0.3482, 0.4480 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(209, 251, 142) }
```

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

```
.border{ border-color:rgb(209, 251, 142) }
```

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

Here you see how a box with a 4 pixel rgb(209, 251, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 251, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 251, 142);  
box-shadow:4px 4px 4px 4px rgb(209, 251,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5027, 0.3482, 0.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 251, 142) }
```

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

```
.background{ background-color: rgb(209,  
251, 142) }
```

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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