

Converting Colors

$Yxy(88.6886, 0.3546, 0.4482)$

Have a look what the booklet for
Yxy(88.6886, 0.3546, 0.4482)
contains.

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Color

Yxy(88.6886, 0.3546, 0.4482)

Conversions

Conversions Part 1

Format	Color
Hex	DCFF8E
RGB	220, 255, 142
RGB Percent	86%, 100%, 56%
CMY	0.1371, 0.0000, 0.4430
CMYK	0.14, 0.00, 0.44, 0.00
HSL	79°, 100%, 78%
HSV	79°, 44%, 100%
XYZ	70.1673, 88.6886, 39.0214
YIQ	231.6530, 15.4130, -42.5630

Conversions

Conversions Part 2

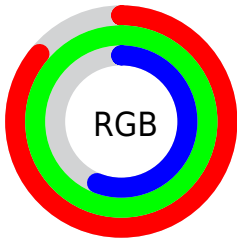
Format	Color
RYB	142, 255, 177
Decimal	14483342
CIELab	95.45, -28.50, 50.09
CIELCh	95, 57.631, 119.633
Yxy	88.6886, 0.3546, 0.4482
Android (android.graphics.Color)	4292673422 (0xFFDCFF8E)
YUV	231.6530, -44.1989, -10.2197
Hunter-Lab	94.1746, -31.8095, 41.3553

Details

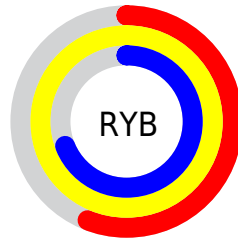
The Yxy color **88.6886, 0.3546, 0.4482** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.9198, 0.2535, 0.1986**, and the grayscale version is **80.7594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **48.8960, 0.3605, 0.4750** is the 20% darker color. If you saturate the color by 10%, you get **86.8093, 0.3616, 0.4746**, and if you desaturate by 10%, it is **90.8091, 0.3461, 0.4205**.

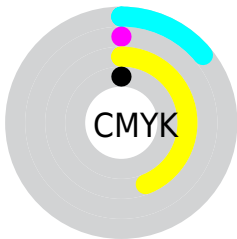
Distribution



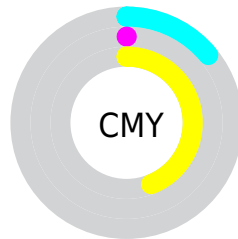
- Red (86%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (69%)



- Cyan (14%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6886, 0.3546, 0.4482 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 88.6886, 0.3546, 0.4482 by changing the saturation by 10% instead.


 88.6886, 0.3546,
0.4482


 88.6886, 0.3546,
0.4482


523.7556, 0.3382,
0.3933

 66.8935, 0.3575,
0.4604

 145.5155, 0.3496,
0.4294

 48.9981, 0.3606,
0.4751


 181.3160, 0.3475,
0.4220

 34.6180, 0.3637,
0.4933


222.5538, 0.3455,
0.4156

 23.3687, 0.3666,
0.5161

269.6133, 0.3438,
0.4100

 14.8660, 0.3681,
0.5449

322.8788, 0.3422,
0.4051

 8.7254, 0.3663,
0.5822

382.7348, 0.3408,

 4.5625, 0.3608,

0.4007

0.6392

449.5656, 0.3394,
0.3968

■ 1.9929, 0.3189,
0.6811

■ 0.6034, 0.0000,
1.0000

■ 88.6886, 0.3546,
0.4482

■ 88.6886, 0.3546,
0.4482

■ 86.8093, 0.3616,
0.4746

■ 90.8091, 0.3461,
0.4205

■ 85.1465, 0.3666,
0.4985

■ 93.1707, 0.3367,
0.3926

■ 83.6897, 0.3693,
0.5186

■ 95.7883, 0.3269,
0.3654

■ 82.4221, 0.3693,
0.5340

■ 98.6717, 0.3169,
0.3396

■ 81.3236, 0.3669,
0.5445

99.9974, 0.3127,
0.3290

■ 80.7572, 0.3647,
0.5486

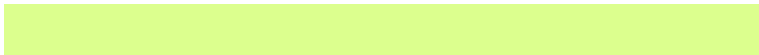
Harmonies

Analogous

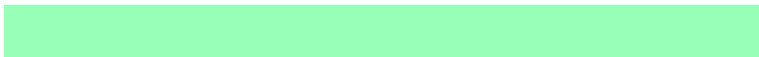
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6886, 0.4095, 0.4299



88.6886, 0.3546, 0.4482



88.6886, 0.2915, 0.4256

Triad

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



88.6886, 0.3546, 0.4482



88.6886, 0.1990, 0.2526



88.6886, 0.3892, 0.2915

Complementary

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



88.6886, 0.3546, 0.4482



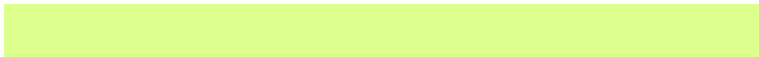
35.9198, 0.2535, 0.1986

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.



88.6886, 0.3242, 0.2538



88.6886, 0.3546, 0.4482



88.6886, 0.2185, 0.2304

Square

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



88.6886, 0.3546, 0.4482



88.6886, 0.2050, 0.3001



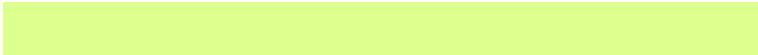
88.6886, 0.2621, 0.2319



88.6886, 0.4335, 0.3387

Rectangle

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



88.6886, 0.3546, 0.4482



88.6886, 0.2533, 0.3885



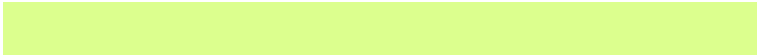
88.6886, 0.2621, 0.2319



88.6886, 0.3686, 0.2775

Sweetspot

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



88.6925, 0.3546, 0.4482



96.1518, 0.3256, 0.3620



54.2318, 0.4145, 0.3647



20.4503, 0.3278, 0.3678



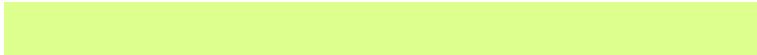
0.0000, 0.0000, 0.0000



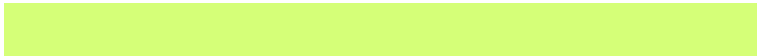
21.4041, 0.3127, 0.3290

Same Dimension

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



88.6925, 0.3546, 0.4482



87.0448, 0.3608, 0.4713



81.4301, 0.3189, 0.4630



20.7922, 0.3221, 0.3528



42.2815, 0.3656, 0.5479



4.1746, 0.3718, 0.5430

Inverse Universe

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



35.9198, 0.2535, 0.1986



28.2642, 0.2387, 0.1704



43.7973, 0.2986, 0.2139



17.6503, 0.3027, 0.3048



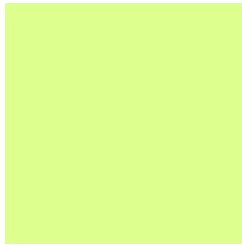
4.7081, 0.1712, 0.0717



0.5132, 0.1830, 0.0782

Previews

White Background



This preview shows how the Yxy color 88.6886, 0.3546, 0.4482 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 88.6886, 0.3546, 0.4482 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 88.6886, 0.3546, 0.4482

Background



This preview shows how black text looks on a background with the Yxy color 88.6886, 0.3546, 0.4482.

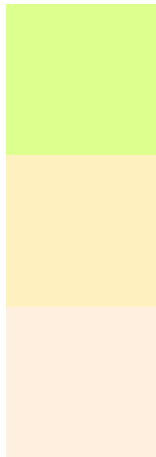


This preview shows how white text looks on a background with the Yxy color 88.6886, 0.3546, 0.4482.

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

88.6886, 0.3546, 0.4482

Protanopia

87.9322, 0.3539, 0.3791

Deuteranopia

88.3207, 0.3336, 0.3449



Tritanopia

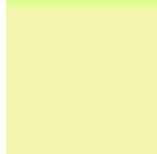
88.1351, 0.3018, 0.3151

Trichromacy



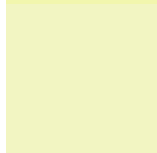
Original Color

88.6886, 0.3546, 0.4482



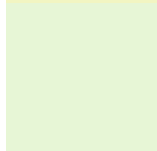
Protanomaly

87.8059, 0.3548, 0.4040



Deuteranomaly

88.0771, 0.3421, 0.3814



Tritanomaly

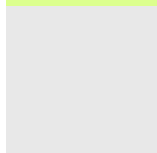
87.7555, 0.3222, 0.3623

Monochromacy



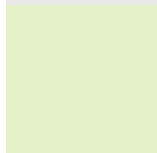
Original Color

88.6886, 0.3546, 0.4482



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.9377, 0.3301, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6886, 0.3546, 0.4482 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(220, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 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(220, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 142) }
```

Border

The CSS property to change the border of an element to Yxy 88.6886, 0.3546, 0.4482 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(220, 255, 142) }
```

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

```
.border{ border-color:rgb(220, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6886, 0.3546, 0.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 142) }
```

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

```
.background{ background-color: rgb(220,  
255, 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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