

Converting Colors

$Yxy(88.8606, 0.3480, 0.4375)$

Have a look what the booklet for
Yxy(88.8606, 0.3480, 0.4375)
contains.

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Color

Yxy(88.8800, 0.3481, 0.4375)

Conversions

Conversions Part 1

Format	Color
Hex	DBFF99
RGB	219, 255, 153
RGB Percent	86%, 100%, 60%
CMY	0.1412, 0.0000, 0.4001
CMYK	0.14, 0.00, 0.40, 0.00
HSL	81°, 100%, 80%
HSV	81°, 40%, 100%
XYZ	70.7180, 88.8800, 43.5563
YIQ	232.6080, 11.2860, -39.3540

Conversions

Conversions Part 2

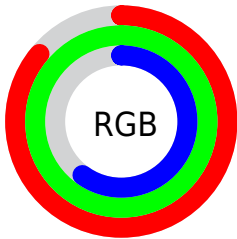
Format	Color
RYB	153, 255, 189
Decimal	14417817
CIELab	95.53, -27.66, 44.93
CIELCh	96, 52.761, 121.620
Yxy	88.8800, 0.3481, 0.4375
Android (android.graphics.Color)	4292607897 (0xFFDBFF99)
YUV	232.6080, -39.2467, -11.9342
Hunter-Lab	94.2762, -31.0878, 38.6009

Details

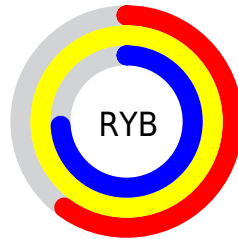
The Yxy color **88.8800, 0.3481, 0.4375** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.8153, 0.2639, 0.2136**, and the grayscale version is **81.4633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **49.0948, 0.3539, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **86.7637, 0.3550, 0.4653**, and if you desaturate by 10%, it is **91.2454, 0.3400, 0.4090**.

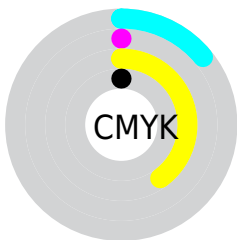
Distribution



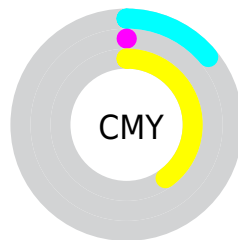
- Red (86%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (74%)



- Cyan (14%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.8800, 0.3481, 0.4375 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 88.8800, 0.3481, 0.4375 by changing the saturation by 10% instead.


 88.8800, 0.3481,
0.4375

 88.8800, 0.3481,
0.4375


524.3808, 0.3342,
0.3874

 67.0521, 0.3506,
0.4487

 145.7817, 0.3438,
0.4203

 49.1270, 0.3534,
0.4624


 181.6243, 0.3420,
0.4135

 34.7202, 0.3563,
0.4793


222.9072, 0.3403,
0.4077

 23.4474, 0.3591,
0.5008

270.0148, 0.3388,
0.4026

 14.9242, 0.3611,
0.5286

323.3316, 0.3375,
0.3981

 8.7662, 0.3605,
0.5652


383.2420, 0.3363,


 4.5890, 0.3648,


0.3941


0.6352

450.1302, 0.3352,
0.3906


 2.0082, 0.3244,
0.6756

 0.6122, 0.0000,
1.0000


 88.8800, 0.3481,
0.4375

 88.8800, 0.3481,
0.4375

 86.7637, 0.3550,
0.4653

 91.2454, 0.3400,
0.4090

 84.8934, 0.3602,
0.4913

 93.8813, 0.3311,
0.3810

 83.2518, 0.3631,
0.5140

 96.7953, 0.3219,
0.3542

 81.8228, 0.3636,
0.5324

99.9976, 0.3127,
0.3290

■ 80.5875, 0.3616,
0.5457

100.0000, 0.3127,
0.3290

■ 79.5165, 0.3575,
0.5544

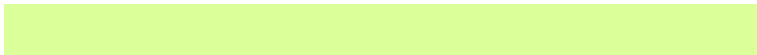
Harmonies

Analogous

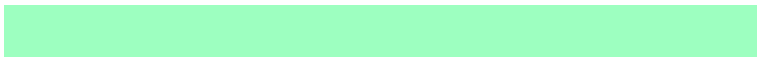
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8800, 0.3994, 0.4241



88.8800, 0.3481, 0.4375



88.8800, 0.2900, 0.4138

Triad

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



88.8800, 0.3481, 0.4375



88.8800, 0.2079, 0.2569



88.8800, 0.3863, 0.2974

Complementary

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



88.8800, 0.3481, 0.4375



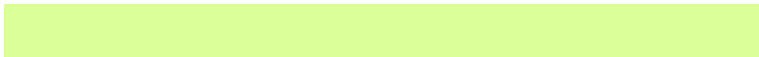
40.8153, 0.2639, 0.2136

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.



88.8800, 0.3276, 0.2614



88.8800, 0.3481, 0.4375



88.8800, 0.2278, 0.2374

Square

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



88.8800, 0.3481, 0.4375



88.8800, 0.2122, 0.2996



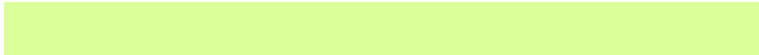
88.8800, 0.2697, 0.2399



88.8800, 0.4247, 0.3418

Rectangle

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



88.8800, 0.3481, 0.4375



88.8800, 0.2554, 0.3793



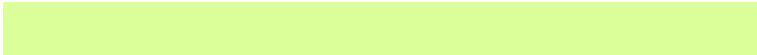
88.8800, 0.2697, 0.2399



88.8800, 0.3679, 0.2841

Sweetspot

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



88.8768, 0.3481, 0.4375



96.1919, 0.3237, 0.3594



59.8206, 0.3991, 0.3666



20.5057, 0.3249, 0.3629



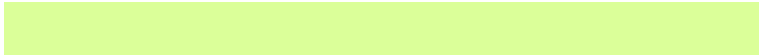
0.0000, 0.0000, 0.0000



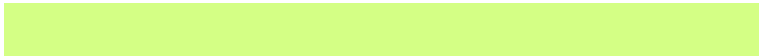
21.4041, 0.3127, 0.3290

Same Dimension

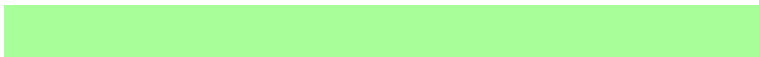
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8768, 0.3481, 0.4375



87.1679, 0.3537, 0.4598



82.1754, 0.3157, 0.4494



20.7511, 0.3214, 0.3529



41.6358, 0.3584, 0.5536



4.1151, 0.3654, 0.5481

Inverse Universe

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



40.8153, 0.2639, 0.2136



33.0940, 0.2514, 0.1880



48.4689, 0.3046, 0.2262



17.6896, 0.3034, 0.3048



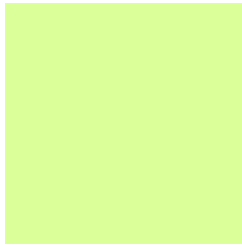
4.9844, 0.1771, 0.0749



0.5437, 0.1894, 0.0817

Previews

White Background



This preview shows how the Yxy color 88.8800, 0.3481, 0.4375 looks on a white background.

Color Contrast Check

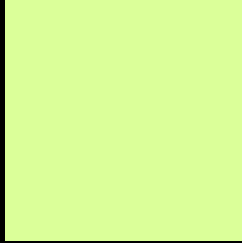
Large Text (above 18pt) WCAG AA × Fail

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 88.8800, 0.3481, 0.4375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

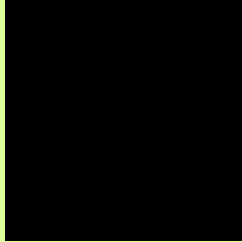
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.8800, 0.3481, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 88.8800, 0.3481, 0.4375.

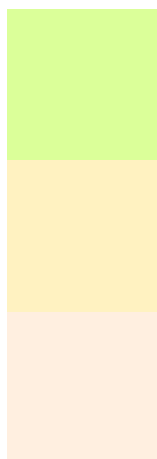


This preview shows how white text looks on a background with the Yxy color 88.8800, 0.3481, 0.4375.

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

88.8800, 0.3481, 0.4375

Protanopia

88.6145, 0.3524, 0.3780

Deuteranopia

88.3748, 0.3329, 0.3439



Tritanopia

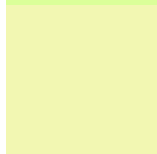
88.5571, 0.3012, 0.3160

Trichromacy



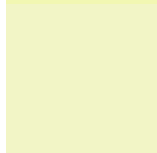
Original Color

88.8800, 0.3481, 0.4375



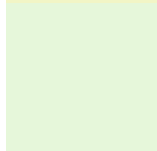
Protanomaly

88.6131, 0.3515, 0.3998



Deuteranomaly

88.2593, 0.3396, 0.3772



Tritanomaly

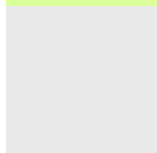
88.4065, 0.3190, 0.3591

Monochromacy



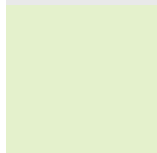
Original Color

88.8800, 0.3481, 0.4375



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.7642, 0.3268, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8800, 0.3481, 0.4375 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(219, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 153)  
}
```

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(219, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 88.8800, 0.3481, 0.4375 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(219, 255, 153) }
```

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

```
.border{ border-color:rgb(219, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 88.8800, 0.3481, 0.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 153) }
```

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

```
.background{ background-color: rgb(219,  
255, 153) }
```

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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