

Converting Colors

$Yxy(87.3201, 0.3587, 0.4657)$

Have a look what the booklet for
Yxy(87.3201, 0.3587, 0.4657)
contains.

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Color

Yxy(87.3225, 0.3585, 0.4654)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D6FF7E |
| RGB | 214, 255, 126 |
| RGB Percent | 84%, 100%, 49% |
| CMY | 0.1606, 0.0000, 0.5059 |
| CMYK | 0.16, 0.00, 0.51, 0.00 |
| HSL | 79°, 100%, 75% |
| HSV | 79°, 51%, 100% |
| XYZ | 67.2650, 87.3225, 33.0415 |
| YIQ | 228.0350, 16.9730, -48.8110 |

Conversions

Conversions Part 2

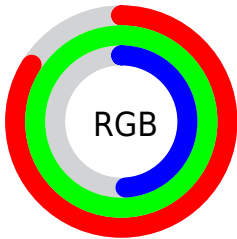
| Format | Color |
|-------------------------------------|--|
| RYB | 126, 255, 167 |
| Decimal | 14090110 |
| CIELab | 94.87, -32.33, 56.76 |
| CIELCh | 95, 65.328, 119.667 |
| Yxy | 87.3225, 0.3585, 0.4654 |
| Android (android.graphics.Color) | 4292280190 (0xFFD6FF7E) |
| YUV | 228.0350, -50.3033, -12.3087 |
| Hunter-Lab | 93.4465, -35.0429, 44.4484 |

Details

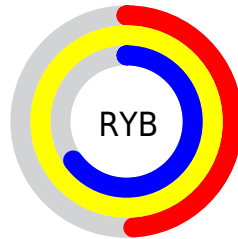
The Yxy color **87.3225, 0.3585, 0.4654** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **30.3463, 0.2436, 0.1784**, and the grayscale version is **77.9817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **48.0241, 0.3642, 0.4959** is the 20% darker color. If you saturate the color by 10%, you get **85.5617, 0.3642, 0.4905**, and if you desaturate by 10%, it is **89.3194, 0.3510, 0.4382**.

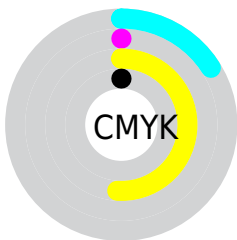
Distribution



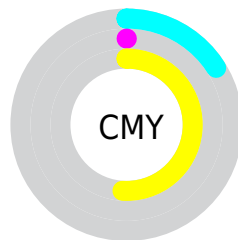
- Red (84%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (65%)



- Cyan (16%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3225, 0.3585, 0.4654 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 87.3225, 0.3585, 0.4654 by changing the saturation by 10% instead.

 87.3225, 0.3585,
0.4654


 87.3225, 0.3585,
0.4654

519.2820, 0.3413,
0.4025

 65.7621, 0.3613,
0.4792


 143.6136, 0.3535,
0.4439

 48.0793, 0.3640,
0.4959


 179.1130, 0.3512,
0.4354

 33.8897, 0.3665,
0.5163


 220.0277, 0.3492,
0.4281

 22.8089, 0.3680,
0.5415

266.7419, 0.3473,
0.4217

 14.4525, 0.3669,
0.5727

319.6400, 0.3456,
0.4160

 8.4360, 0.3643,
0.6185

379.1065, 0.3440,

 4.3752, 0.3409,

0.4110

0.6591

445.5257, 0.3426,
0.4065

■ 1.8856, 0.2915,
0.7085

■ 0.5397, 0.0000,
1.0000

■ 87.3225, 0.3585,
0.4654

■ 87.3225, 0.3585,
0.4654

■ 85.5617, 0.3642,
0.4905

■ 89.3194, 0.3510,
0.4382

■ 84.0114, 0.3676,
0.5123


■ 91.5531, 0.3423,
0.4102

■ 82.6597, 0.3685,
0.5297

■ 94.0391, 0.3328,
0.3824

■ 81.4877, 0.3668,
0.5421

■ 96.7879, 0.3231,
0.3557

 80.5221, 0.3633,
0.5497

99.8094, 0.3133,
0.3304

99.9984, 0.3127,
0.3290

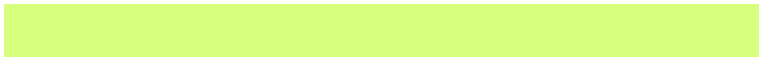
Harmonies

Analogous

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



87.3225, 0.4209, 0.4418



87.3225, 0.3585, 0.4654



87.3225, 0.2874, 0.4407

Triad

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



87.3225, 0.3585, 0.4654



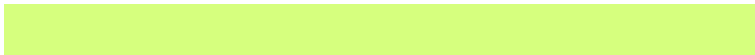
87.3225, 0.1856, 0.2421



87.3225, 0.3998, 0.2864

Complementary

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



87.3225, 0.3585, 0.4654



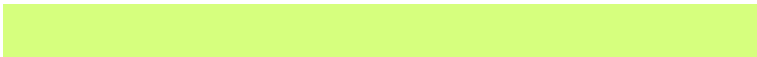
30.3463, 0.2436, 0.1784

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.



87.3225, 0.3252, 0.2449



87.3225, 0.3585, 0.4654



87.3225, 0.2071, 0.2184

Square

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



87.3225, 0.3585, 0.4654



87.3225, 0.1918, 0.2949



87.3225, 0.2552, 0.2207



87.3225, 0.4503, 0.3384

Rectangle

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



87.3225, 0.3585, 0.4654



87.3225, 0.2449, 0.3973



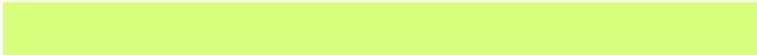
87.3225, 0.2552, 0.2207



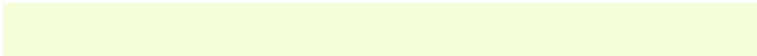
87.3225, 0.3762, 0.2710

Sweetspot

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



87.3264, 0.3585, 0.4654



95.5460, 0.3274, 0.3673



50.3435, 0.4339, 0.3716



20.3273, 0.3294, 0.3729



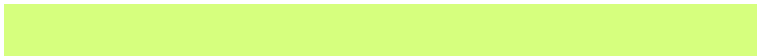
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



87.3264, 0.3585, 0.4654



85.4966, 0.3643, 0.4915



79.4738, 0.3176, 0.4851



20.7847, 0.3220, 0.3528



42.1589, 0.3643, 0.5490



4.1634, 0.3706, 0.5439

Inverse Universe

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



30.3463, 0.2436, 0.1784



22.6030, 0.2258, 0.1462



39.1836, 0.2976, 0.1991



17.6575, 0.3028, 0.3048



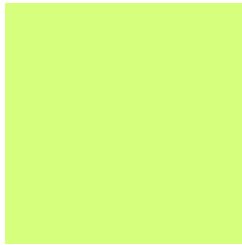
4.7557, 0.1722, 0.0722



0.5186, 0.1842, 0.0788

Previews

White Background



This preview shows how the Yxy color 87.3225, 0.3585, 0.4654 looks on a white background.

Color Contrast Check

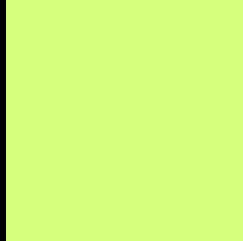
Large Text (above 18pt) WCAG AA × Fail

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 87.3225, 0.3585, 0.4654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

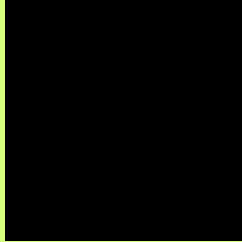
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3225, 0.3585, 0.4654

Background



This preview shows how black text looks on a background with the Yxy color 87.3225, 0.3585, 0.4654.

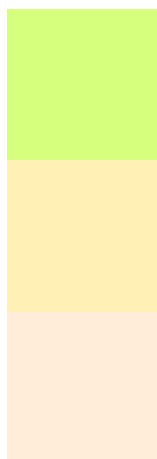


This preview shows how white text looks on a background with the Yxy color 87.3225, 0.3585, 0.4654.

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

87.3225, 0.3585, 0.4654

Protanopia

86.9164, 0.3606, 0.3882

Deuteranopia

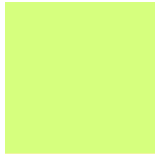
86.8903, 0.3371, 0.3479



Tritanopia

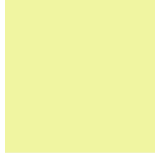
86.8638, 0.2993, 0.3139

Trichromacy



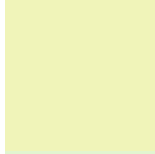
Original Color

87.3225, 0.3585, 0.4654



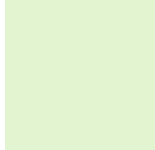
Protanomaly

86.4033, 0.3609, 0.4157



Deuteranomaly

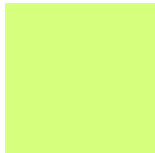
86.7294, 0.3465, 0.3901



Tritanomaly

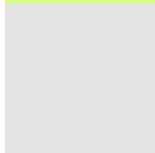
86.0276, 0.3226, 0.3681

Monochromacy



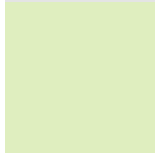
Original Color

87.3225, 0.3585, 0.4654



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.5986, 0.3319, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3225, 0.3585, 0.4654 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(214, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 126)  
}
```

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(214, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 126) }
```

Border

The CSS property to change the border of an element to Yxy 87.3225, 0.3585, 0.4654 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(214, 255, 126) }
```

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

```
.border{ border-color:rgb(214, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3225, 0.3585, 0.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 126) }
```

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

```
.background{ background-color: rgb(214,  
255, 126) }
```

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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