

Converting Colors

Yxy(86.4913, 0.3620, 0.4711)

Have a look what the booklet for
Yxy(86.4913, 0.3620, 0.4711)
contains.

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Color

Yxy(86.5117, 0.3621, 0.4710)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D6FE77 |
| RGB | 214, 254, 119 |
| RGB Percent | 84%, 100%, 47% |
| CMY | 0.1607, 0.0039, 0.5332 |
| CMYK | 0.16, 0.00, 0.53, 0.00 |
| HSL | 78°, 99%, 73% |
| HSV | 78°, 53%, 100% |
| XYZ | 66.5093, 86.5117, 30.6556 |
| YIQ | 226.6500, 19.4950, -50.4650 |

Conversions

Conversions Part 2

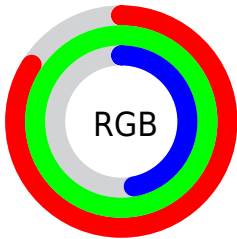
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 119, 254, 159 |
| Decimal | 14089847 |
| CIELab | 94.53, -32.53, 59.49 |
| CIElCh | 95, 67.799, 118.669 |
| Yxy | 86.5117, 0.3621, 0.4710 |
| Android (android.graphics.Color) | 4292279927 (0xFFD6FE77) |
| YUV | 226.6500, -53.0714, -11.0940 |
| Hunter-Lab | 93.0117, -35.1315, 45.5668 |

Details

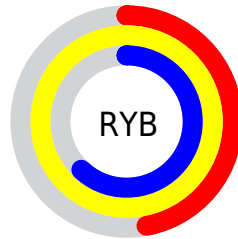
The Yxy color **86.5117, 0.3621, 0.4710** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **27.7301, 0.2371, 0.1695**, and the grayscale version is **76.9376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **47.4708, 0.3684, 0.5026** is the 20% darker color. If you saturate the color by 10%, you get **84.8782, 0.3676, 0.4950**, and if you desaturate by 10%, it is **88.3683, 0.3547, 0.4446**.

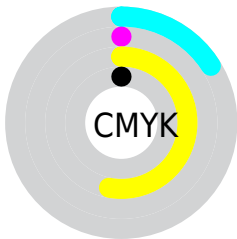
Distribution



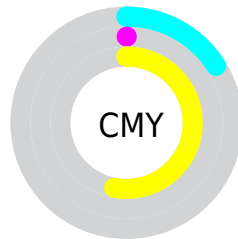
- Red (84%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (62%)



- Cyan (16%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5117, 0.3621, 0.4710 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 86.5117, 0.3621, 0.4710 by changing the saturation by 10% instead.


 86.5117, 0.3621,
0.4710


 86.5117, 0.3621,
0.4710


516.6170, 0.3437,
0.4057


 65.0912, 0.3650,
0.4853


 142.4833, 0.3567,
0.4487

 47.5350, 0.3678,
0.5025


 177.8033, 0.3543,
0.4399

 33.4588, 0.3703,
0.5233


 218.5251, 0.3521,
0.4323

 22.4782, 0.3715,
0.5488

265.0333, 0.3501,
0.4256

 14.2087, 0.3698,
0.5800

317.7121, 0.3483,
0.4197

 8.2659, 0.3690,
0.6307

376.9461, 0.3466,

 4.2656, 0.3388,

0.4145

0.6612

443.1196, 0.3451,
0.4099

■ 1.8232, 0.2873,
0.7127

■ 0.5016, 0.0000,
1.0000

■ 86.5117, 0.3621,
0.4710

■ 86.5117, 0.3621,
0.4710

■ 84.8782, 0.3676,
0.4950

■ 88.3683, 0.3547,
0.4446

■ 83.4422, 0.3708,
0.5153


■ 90.4489, 0.3458,
0.4170


■ 82.1914, 0.3713,
0.5311

■ 92.7687, 0.3361,
0.3892

■ 81.1065, 0.3694,
0.5418

■ 95.3384, 0.3260,
0.3623

 80.4388, 0.3669,
0.5468

 98.1678, 0.3159,
0.3367

99.3635, 0.3128,
0.3281

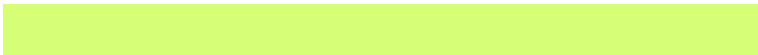
Harmonies

Analogous

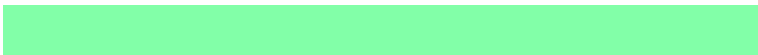
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5117, 0.4264, 0.4442



86.5117, 0.3621, 0.4710



86.5117, 0.2884, 0.4477

Triad

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



86.5117, 0.3621, 0.4710



86.5117, 0.1811, 0.2399



86.5117, 0.4010, 0.2831

Complementary

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



86.5117, 0.3621, 0.4710



27.7301, 0.2371, 0.1695

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.



86.5117, 0.3229, 0.2408



86.5117, 0.3621, 0.4710



86.5117, 0.2022, 0.2149

Square

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



86.5117, 0.3621, 0.4710



86.5117, 0.1883, 0.2955



86.5117, 0.2509, 0.2165



86.5117, 0.4549, 0.3363

Rectangle

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



86.5117, 0.3621, 0.4710



86.5117, 0.2440, 0.4030



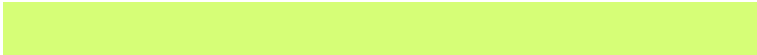
86.5117, 0.2509, 0.2165



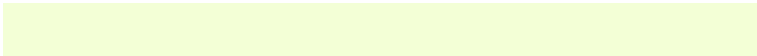
86.5117, 0.3761, 0.2674

Sweetspot

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



86.5156, 0.3621, 0.4710



95.4247, 0.3289, 0.3699



46.6107, 0.4454, 0.3687



20.3093, 0.3310, 0.3754



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.



86.5156, 0.3621, 0.4710



85.5054, 0.3680, 0.4969



78.5380, 0.3200, 0.4924



20.8048, 0.3223, 0.3528



42.4884, 0.3678, 0.5462



4.1935, 0.3738, 0.5414

Inverse Universe

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



27.7301, 0.2371, 0.1695



20.4275, 0.2181, 0.1362



36.3263, 0.2925, 0.1915



17.6384, 0.3025, 0.3047



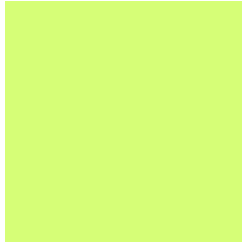
4.6322, 0.1695, 0.0707



0.5046, 0.1812, 0.0772

Previews

White Background



This preview shows how the Yxy color 86.5117, 0.3621, 0.4710 looks on a white background.

Color Contrast Check

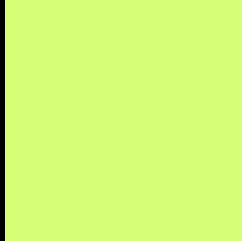
Large Text (above 18pt) WCAG AA × Fail

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 86.5117, 0.3621, 0.4710 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 86.5117, 0.3621, 0.4710

Background



This preview shows how black text looks on a background with the Yxy color 86.5117, 0.3621, 0.4710.

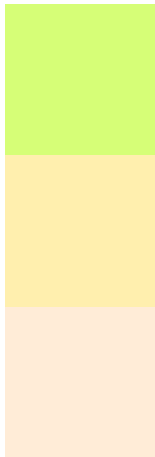


This preview shows how white text looks on a background with the Yxy color 86.5117, 0.3621, 0.4710.

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

86.5117, 0.3621, 0.4710

Protanopia

86.0490, 0.3654, 0.3943

Deuteranopia

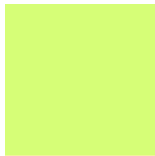
86.1572, 0.3392, 0.3500



Tritanopia

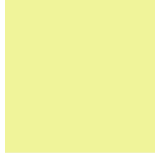
86.1088, 0.2987, 0.3129

Trichromacy



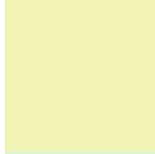
Original Color

86.5117, 0.3621, 0.4710



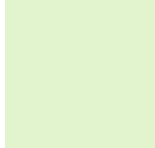
Protanomaly

85.5597, 0.3654, 0.4218



Deuteranomaly

85.9217, 0.3498, 0.3943



Tritanomaly

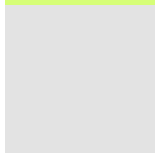
85.1652, 0.3232, 0.3693

Monochromacy



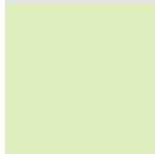
Original Color

86.5117, 0.3621, 0.4710



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.7288, 0.3332, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5117, 0.3621, 0.4710 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, 254, 119)` looks like.

```
.text, #text, p{  
    color:rgb(214, 254, 119)  
}
```

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, 254, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 254, 119) }
```

Border

The CSS property to change the border of an element to Yxy 86.5117, 0.3621, 0.4710 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, 254, 119) }
```

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

```
.border{ border-color:rgb(214, 254, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 254, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 254, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 254, 119);  
box-shadow:4px 4px 4px 4px rgb(214, 254,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5117, 0.3621, 0.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 254, 119) }
```

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

```
.background{ background-color: rgb(214,  
254, 119) }
```

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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