

Converting Colors

$Yxy(86.4275, 0.3675, 0.4870)$

Have a look what the booklet for
Yxy(86.4275, 0.3675, 0.4870)
contains.

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Color

Yxy(86.4764, 0.3677, 0.4869)

Conversions

Conversions Part 1

Format	Color
Hex	D4FF66
RGB	212, 255, 102
RGB Percent	83%, 100%, 40%
CMY	0.1687, 0.0000, 0.5999
CMYK	0.17, 0.00, 0.60, 0.00
HSL	77°, 100%, 70%
HSV	77°, 60%, 100%
XYZ	65.3058, 86.4764, 25.8239
YIQ	224.7010, 23.4850, -56.6990

Conversions

Conversions Part 2

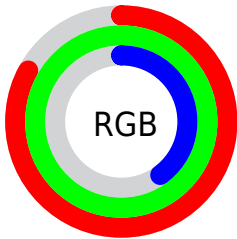
Format	Color
R _Y B	102, 255, 145
Decimal	13959014
CIE Lab	94.52, -35.16, 66.75
CIE LCh	95, 75.437, 117.776
Yxy	86.4764, 0.3677, 0.4869
Android (android.graphics.Color)	4292149094 (0xFFD4FF66)
YUV	224.7010, -60.4916, -11.1388
Hunter-Lab	92.9927, -37.3824, 48.6301

Details

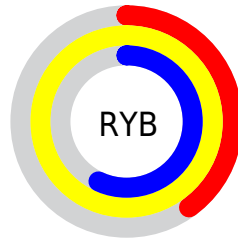
The Yxy color **86.4764, 0.3677, 0.4869** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **22.7501, 0.2233, 0.1473**, and the grayscale version is **75.4953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **47.4326, 0.3730, 0.5210** is the 20% darker color. If you saturate the color by 10%, you get **85.0008, 0.3719, 0.5082**, and if you desaturate by 10%, it is **88.1492, 0.3613, 0.4623**.

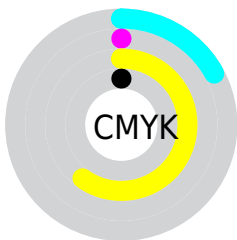
Distribution



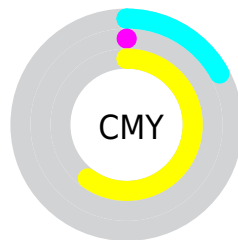
- Red (83%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (57%)



- Cyan (17%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4764, 0.3677, 0.4869 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 86.4764, 0.3677, 0.4869 by changing the saturation by 10% instead.


 86.4764, 0.3677,
0.4869


 86.4764, 0.3677,
0.4869


516.5008, 0.3480,
0.4147

 65.0620, 0.3704,
0.5024


 142.4341, 0.3622,
0.4625


 47.5113, 0.3729,
0.5208


 177.7462, 0.3597,
0.4528

 33.4401, 0.3745,
0.5428


 218.4596, 0.3573,
0.4444

 22.4638, 0.3741,
0.5691

 264.9588, 0.3552,
0.4370

 14.1981, 0.3698,
0.6006

317.6281, 0.3532,
0.4304

 8.2586, 0.3591,
0.6409

376.8519, 0.3513,

 4.2608, 0.3263,

0.4246

0.6737

443.0147, 0.3496,
0.4194

■ 1.8205, 0.2688,
0.7312

■ 0.4999, 0.0000,
1.0000

■ 86.4764, 0.3677,
0.4869

■ 86.4764, 0.3677,
0.4869

■ 85.0008, 0.3719,
0.5082

■ 88.1492, 0.3613,
0.4623

■ 83.7156, 0.3735,
0.5251

■ 90.0412, 0.3531,
0.4356


■ 82.5996, 0.3726,
0.5372

■ 92.1618, 0.3436,
0.4080

■ 81.6234, 0.3695,
0.5448

■ 94.5221, 0.3335,
0.3806

 81.6227, 0.3695,
0.5448

 97.1324, 0.3231,
0.3540

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



86.4764, 0.4384, 0.4528



86.4764, 0.3677, 0.4869



86.4764, 0.2869, 0.4647

Triad

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



86.4764, 0.3677, 0.4869



86.4764, 0.1689, 0.2315



86.4764, 0.4083, 0.2765

Complementary

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



86.4764, 0.3677, 0.4869



22.7501, 0.2233, 0.1473

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.



86.4764, 0.3208, 0.2315



86.4764, 0.3677, 0.4869



86.4764, 0.1907, 0.2044

Square

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



86.4764, 0.3677, 0.4869



86.4764, 0.1770, 0.2929



86.4764, 0.2423, 0.2059



86.4764, 0.4697, 0.3334

Rectangle

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



86.4764, 0.3677, 0.4869



86.4764, 0.2380, 0.4147



86.4764, 0.2423, 0.2059



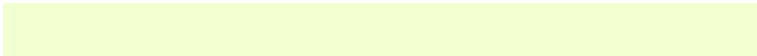
86.4764, 0.3802, 0.2597

Sweetspot

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



86.4736, 0.3677, 0.4869



95.0219, 0.3314, 0.3752



41.8089, 0.4726, 0.3698



20.1831, 0.3344, 0.3831



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.



86.4736, 0.3677, 0.4869



84.7283, 0.3724, 0.5119



77.8587, 0.3208, 0.5139



20.8190, 0.3225, 0.3528



42.7286, 0.3703, 0.5442



4.2154, 0.3761, 0.5396

Inverse Universe

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



22.7501, 0.2233, 0.1473



15.9909, 0.2026, 0.1137



31.8340, 0.2864, 0.1750



17.6250, 0.3023, 0.3047



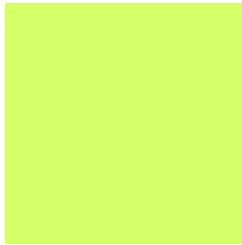
4.5509, 0.1677, 0.0698



0.4952, 0.1792, 0.0761

Previews

White Background



This preview shows how the Yxy color 86.4764, 0.3677, 0.4869 looks on a white background.

Color Contrast Check

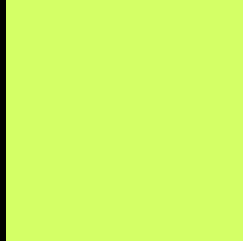
Large Text (above 18pt) WCAG AA × Fail

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 86.4764, 0.3677, 0.4869 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

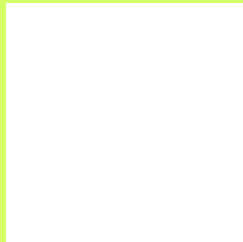
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4764, 0.3677, 0.4869

Background



This preview shows how black text looks on a background with the Yxy color 86.4764, 0.3677, 0.4869.

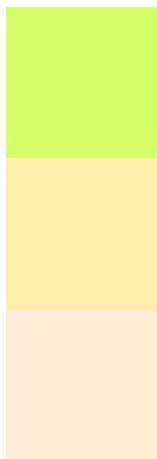


This preview shows how white text looks on a background with the Yxy color 86.4764, 0.3677, 0.4869.

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

86.4764, 0.3677, 0.4869

Protanopia

86.0101, 0.3660, 0.3953

Deuteranopia

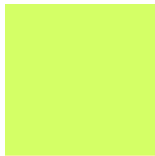
86.1059, 0.3398, 0.3510



Tritanopia

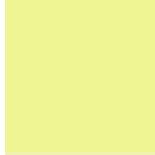
86.1088, 0.2987, 0.3129

Trichromacy



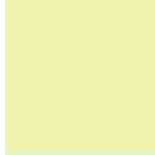
Original Color

86.4764, 0.3677, 0.4869



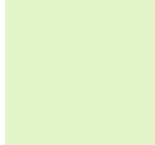
Protanomaly

85.7621, 0.3684, 0.4298



Deuteranomaly

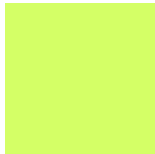
85.4690, 0.3535, 0.4018



Tritanomaly

85.4359, 0.3274, 0.3779

Monochromacy



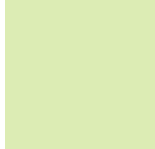
Original Color

86.4764, 0.3677, 0.4869



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.5018, 0.3370, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4764, 0.3677, 0.4869 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(212, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 102)  
}
```

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(212, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 86.4764, 0.3677, 0.4869 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(212, 255, 102) }
```

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

```
.border{ border-color:rgb(212, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4764, 0.3677, 0.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 102) }
```

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

```
.background{ background-color: rgb(212,  
255, 102) }
```

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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