

# Converting Colors

Yxy(94.6286, 0.3610, 0.4916)

Have a look what the booklet for  
Yxy(94.6286, 0.3610, 0.4916)  
contains.

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# Color

**Yxy(86.5577, 0.3661, 0.4837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FF6A
RGB	212, 255, 106
RGB Percent	83%, 100%, 42%
CMY	0.1686, 0.0000, 0.5845
CMYK	0.17, 0.00, 0.58, 0.00
HSL	77°, 100%, 71%
HSV	77°, 58%, 100%
XYZ	65.5133, 86.5577, 26.8782
YIQ	225.1570, 22.2010, -55.4550

# Conversions

## Conversions Part 2

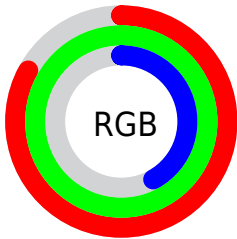
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 255, 149
Decimal	13959018
CIELab	94.55, -34.84, 65.14
CIELCh	95, 73.873, 118.137
Yxy	86.5577, 0.3661, 0.4837
Android (android.graphics.Color)	4292149098 (0xFFD4FF6A)
YUV	225.1570, -58.7444, -11.5387
Hunter-Lab	93.0364, -37.1196, 47.9966

# Details

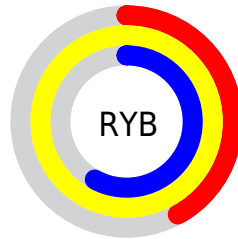
The Yxy color **86.5577, 0.3661, 0.4837** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **23.9049, 0.2269, 0.1524**, and the grayscale version is **75.8311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **47.4799, 0.3711, 0.5170** is the 20% darker color. If you saturate the color by 10%, you get **85.0361, 0.3705, 0.5057**, and if you desaturate by 10%, it is **88.2880, 0.3595, 0.4586**.

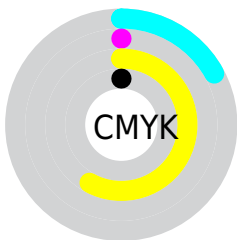
# Distribution



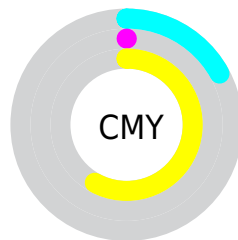
- Red (83%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (58%)



- Cyan (17%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5577, 0.3661, 0.4837 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 86.5577, 0.3661, 0.4837 by changing the saturation by 10% instead.




 86.5577, 0.3661,  
0.4837


 86.5577, 0.3661,  
0.4837


516.7684, 0.3468,  
0.4128


 65.1292, 0.3689,  
0.4990

 142.5475, 0.3607,  
0.4597


 47.5659, 0.3714,  
0.5172


 177.8776, 0.3582,  
0.4502

 33.4832, 0.3731,  
0.5391


 218.6104, 0.3559,  
0.4419

 22.4969, 0.3730,  
0.5653

 265.1303, 0.3538,  
0.4346

 14.2225, 0.3690,  
0.5967

317.8216, 0.3518,  
0.4282

 8.2756, 0.3604,  
0.6396


377.0688, 0.3500,

 4.2718, 0.3279,

0.4225

0.6721


443.2563, 0.3484,  
0.4174


 1.8267, 0.2714,  
0.7286


 0.5037, 0.0000,  
1.0000


 86.5577, 0.3661,  
0.4837


 86.5577, 0.3661,  
0.4837


 85.0361, 0.3705,  
0.5057

 88.2880, 0.3595,  
0.4586


 83.7062, 0.3725,  
0.5235


 90.2385, 0.3512,  
0.4316

 82.5509, 0.3718,  
0.5365

 92.4218, 0.3417,  
0.4038

 81.5455, 0.3688,  
0.5447

 94.8490, 0.3316,  
0.3764

 81.3977, 0.3683,  
0.5458

 97.5302, 0.3213,  
0.3501

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.



86.5577, 0.4356, 0.4514



86.5577, 0.3661, 0.4837



86.5577, 0.2867, 0.4608

# Triad

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



86.5577, 0.3661, 0.4837



86.5577, 0.1714, 0.2330



86.5577, 0.4073, 0.2782

# Complementary

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



86.5577, 0.3661, 0.4837



23.9049, 0.2269, 0.1524

# 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.



86.5577, 0.3218, 0.2336



86.5577, 0.3661, 0.4837



86.5577, 0.1933, 0.2065

# Square

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



86.5577, 0.3661, 0.4837



86.5577, 0.1792, 0.2930



86.5577, 0.2445, 0.2081



86.5577, 0.4668, 0.3344



# Rectangle

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



86.5577, 0.3661, 0.4837



86.5577, 0.2389, 0.4117



86.5577, 0.2445, 0.2081



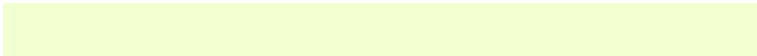
86.5577, 0.3799, 0.2616

# Sweetspot

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



86.5583, 0.3661, 0.4837



94.9632, 0.3312, 0.3752



43.5388, 0.4648, 0.3716



20.1686, 0.3342, 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.



86.5583, 0.3661, 0.4837



84.8173, 0.3710, 0.5088



77.9846, 0.3196, 0.5098



20.8121, 0.3224, 0.3528



42.6120, 0.3691, 0.5451



4.2048, 0.3750, 0.5405



# Inverse Universe

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



23.9049, 0.2269, 0.1524



17.0463, 0.2068, 0.1192



33.1616, 0.2896, 0.1794



17.6315, 0.3024, 0.3047



4.5895, 0.1686, 0.0702

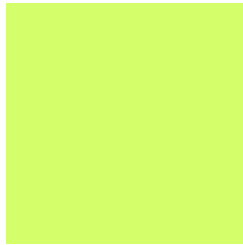


0.4997, 0.1802, 0.0766



# Previews

## White Background



This preview shows how the Yxy color 86.5577, 0.3661, 0.4837 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

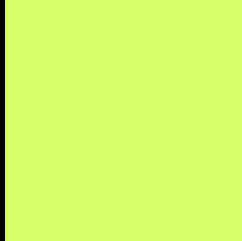
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.5577, 0.3661, 0.4837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

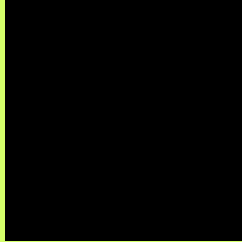
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.5577, 0.3661, 0.4837**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.5577, 0.3661, 0.4837.

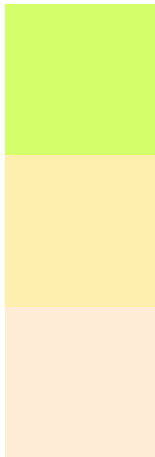


This preview shows how white text looks on a background with the Yxy color 86.5577, 0.3661, 0.4837.

# 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

86.5577, 0.3661, 0.4837

### Protanopia

86.0490, 0.3654, 0.3943

### Deuteranopia

86.1059, 0.3398, 0.3510



## Tritanopia

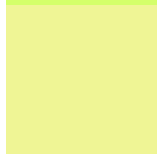
86.1088, 0.2987, 0.3129

# Trichromacy



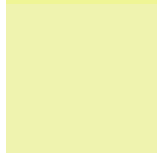
## Original Color

86.5577, 0.3661, 0.4837



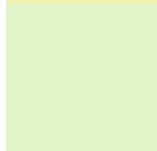
## Protanomaly

85.8255, 0.3672, 0.4278



## Deuteranomaly

85.5471, 0.3522, 0.3997



## Tritanomaly

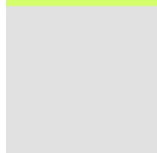
85.5294, 0.3262, 0.3757

# Monochromacy



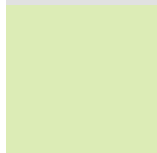
## Original Color

86.5577, 0.3661, 0.4837



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.5839, 0.3358, 0.3883

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.5577, 0.3661, 0.4837 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 86.5577, 0.3661, 0.4837 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, 106) }
```

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

```
.border{ border-color:rgb(212, 255, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.5577, 0.3661, 0.4837 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, 106) }
```

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

```
.background{ background-color: rgb(212,  
255, 106) }
```

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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