

Converting Colors

Yxy(86.4519, 0.3505, 0.4614)

Have a look what the booklet for
Yxy(86.4519, 0.3505, 0.4614)
contains.

Yxy(86.4789, 0.3503, 0.4609)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.4789, 0.3503, 0.4609)

Conversions

Conversions Part 1

Format	Color
Hex	CFFF85
RGB	207, 255, 133
RGB Percent	81%, 100%, 52%
CMY	0.1882, 0.0000, 0.4783
CMYK	0.19, 0.00, 0.48, 0.00
HSL	84°, 100%, 76%
HSV	84°, 48%, 100%
XYZ	65.7270, 86.4789, 35.4246
YIQ	226.7400, 10.5540, -48.1180

Conversions

Conversions Part 2

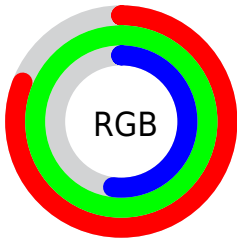
Format	Color
RYB	133, 255, 181
Decimal	13631365
CIELab	94.52, -34.21, 52.99
CIELCh	95, 63.076, 122.848
Yxy	86.4789, 0.3503, 0.4609
Android (android.graphics.Color)	4291821445 (0xFFCFFF85)
YUV	226.7400, -46.2138, -17.3120
Hunter-Lab	92.9940, -36.5781, 42.5102

Details

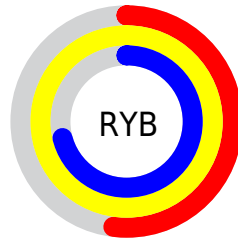
The Yxy color **86.4789, 0.3503, 0.4609** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.8270, 0.2555, 0.1900**, and the grayscale version is **76.9549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **47.4514, 0.3542, 0.4911** is the 20% darker color. If you saturate the color by 10%, you get **84.4584, 0.3552, 0.4881**, and if you desaturate by 10%, it is **88.7637, 0.3438, 0.4322**.

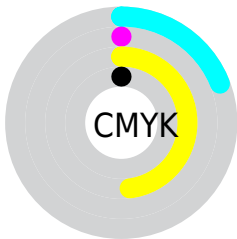
Distribution



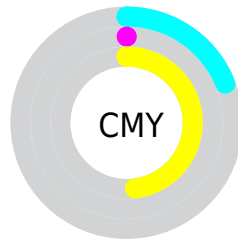
- Red (81%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (71%)



- Cyan (19%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4789, 0.3503, 0.4609 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 86.4789, 0.3503, 0.4609 by changing the saturation by 10% instead.


 86.4789, 0.3503,
0.4609

 86.4789, 0.3503,
0.4609

516.5090, 0.3364,
0.3995

 65.0641, 0.3525,
0.4746


 142.4376, 0.3463,
0.4398

 47.5130, 0.3546,
0.4913


 177.7502, 0.3445,
0.4315

 33.4414, 0.3564,
0.5119


 218.4643, 0.3428,
0.4243

 22.4648, 0.3572,
0.5377

264.9641, 0.3413,
0.4181

 14.1988, 0.3556,
0.5704

317.6340, 0.3399,
0.4126

 8.2591, 0.3504,
0.6156

376.8586, 0.3386,


 4.2612, 0.3307,


0.4077


0.6693

443.0221, 0.3375,
0.4034


 1.8207, 0.2755,
0.7245


 0.5000, 0.0000,
1.0000


 86.4789, 0.3503,
0.4609

 86.4789, 0.3503,
0.4609


 84.4584, 0.3552,
0.4881


 88.7637, 0.3438,
0.4322


 82.6858, 0.3580,
0.5125

 91.3238, 0.3362,
0.4034

 81.1458, 0.3584,
0.5327

 94.1717, 0.3279,
0.3752

 79.8197, 0.3563,
0.5478

 97.3187, 0.3194,
0.3486

■ 78.6831, 0.3520,
0.5577

100.0000, 0.3127,
0.3290

■ 78.4547, 0.3510,
0.5595

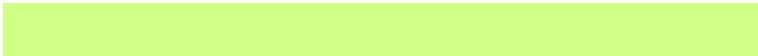
Harmonies

Analogous

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



86.4789, 0.4126, 0.4428



86.4789, 0.3503, 0.4609



86.4789, 0.2814, 0.4313

Triad

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



86.4789, 0.3503, 0.4609



86.4789, 0.1899, 0.2409



86.4789, 0.4039, 0.2928

Complementary

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



86.4789, 0.3503, 0.4609



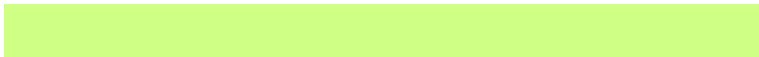
33.8270, 0.2555, 0.1900

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.



86.4789, 0.3329, 0.2507



86.4789, 0.3503, 0.4609



86.4789, 0.2138, 0.2205

Square

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



86.4789, 0.3503, 0.4609



86.4789, 0.1932, 0.2895



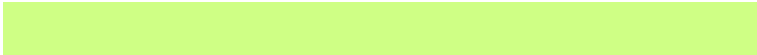
86.4789, 0.2634, 0.2250



86.4789, 0.4489, 0.3442

Rectangle

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



86.4789, 0.3503, 0.4609



86.4789, 0.2412, 0.3872



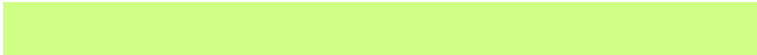
86.4789, 0.2634, 0.2250



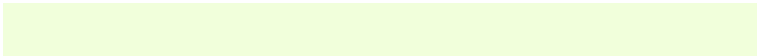
86.4789, 0.3818, 0.2774

Sweetspot

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



86.4796, 0.3503, 0.4609



95.3426, 0.3246, 0.3648



55.5077, 0.4203, 0.3778



20.2651, 0.3265, 0.3707



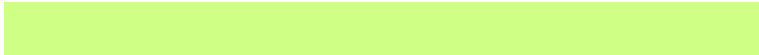
0.0000, 0.0000, 0.0000



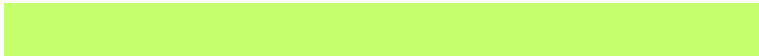
21.4041, 0.3127, 0.3290

Same Dimension

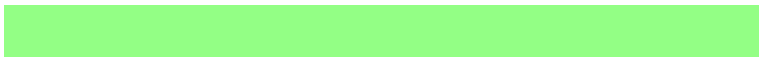
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4796, 0.3503, 0.4609



84.6174, 0.3548, 0.4859



79.4404, 0.3131, 0.4777



20.7132, 0.3208, 0.3529



41.0832, 0.3520, 0.5587



4.0635, 0.3596, 0.5527

Inverse Universe

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



33.8270, 0.2555, 0.1900



26.4952, 0.2414, 0.1619



42.6610, 0.3058, 0.2083



17.7263, 0.3041, 0.3049



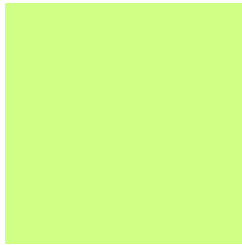
5.2789, 0.1832, 0.0783



0.5751, 0.1957, 0.0852

Previews

White Background



This preview shows how the Yxy color 86.4789, 0.3503, 0.4609 looks on a white background.

Color Contrast Check

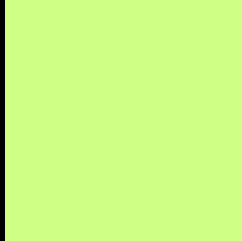
Large Text (above 18pt) WCAG AA × Fail

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 86.4789, 0.3503, 0.4609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

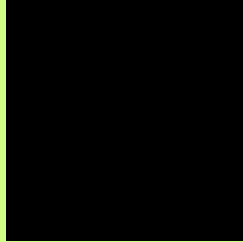
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.4789, 0.3503, 0.4609

Background



This preview shows how black text looks on a background with the Yxy color 86.4789, 0.3503, 0.4609.

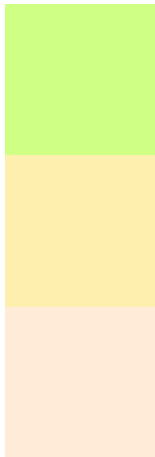


This preview shows how white text looks on a background with the Yxy color 86.4789, 0.3503, 0.4609.

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

86.4789, 0.3503, 0.4609

Protanopia

86.0881, 0.3648, 0.3933

Deuteranopia

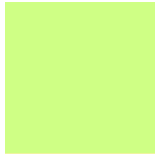
85.5830, 0.3393, 0.3490



Tritanopia

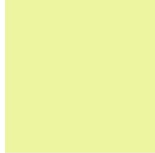
86.0342, 0.2962, 0.3138

Trichromacy



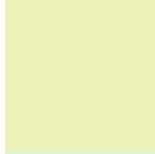
Original Color

86.4789, 0.3503, 0.4609



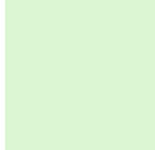
Protanomaly

86.0200, 0.3601, 0.4171



Deuteranomaly

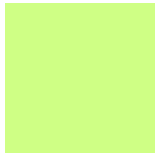
85.1842, 0.3455, 0.3884



Tritanomaly

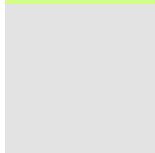
85.2236, 0.3168, 0.3652

Monochromacy



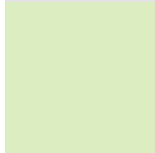
Original Color

86.4789, 0.3503, 0.4609



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.6343, 0.3287, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4789, 0.3503, 0.4609 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(207, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 133)  
}
```

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(207, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 133) }
```

Border

The CSS property to change the border of an element to Yxy 86.4789, 0.3503, 0.4609 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(207, 255, 133) }
```

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

```
.border{ border-color:rgb(207, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4789, 0.3503, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 133) }
```

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

```
.background{ background-color: rgb(207,  
255, 133) }
```

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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