

Converting Colors

$Yxy(86.1903, 0.3547, 0.4702)$

Have a look what the booklet for
Yxy(86.1903, 0.3547, 0.4702)
contains.

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Color

Yxy(86.2155, 0.3551, 0.4705)

Conversions

Conversions Part 1

Format	Color
Hex	CFFF7B
RGB	207, 255, 123
RGB Percent	81%, 100%, 48%
CMY	0.1882, 0.0000, 0.5176
CMYK	0.19, 0.00, 0.52, 0.00
HSL	82°, 100%, 74%
HSV	82°, 52%, 100%
XYZ	65.0693, 86.2155, 31.9575
YIQ	225.6000, 13.7640, -51.2280

Conversions

Conversions Part 2

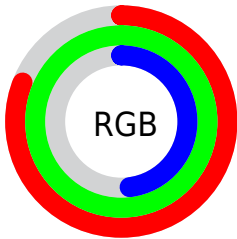
Format	Color
RYB	123, 255, 171
Decimal	13631355
CIELab	94.40, -35.21, 57.44
CIElCh	94, 67.372, 121.507
Yxy	86.2155, 0.3551, 0.4705
Android (android.graphics.Color)	4291821435 (0xFFCFFF7B)
YUV	225.6000, -50.5818, -16.3122
Hunter-Lab	92.8523, -37.4017, 44.5905

Details

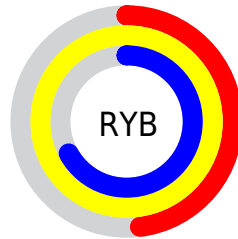
The Yxy color **86.2155, 0.3551, 0.4705** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **30.0521, 0.2464, 0.1766**, and the grayscale version is **76.1164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **47.3019, 0.3596, 0.5025** is the 20% darker color. If you saturate the color by 10%, you get **84.3622, 0.3597, 0.4962**, and if you desaturate by 10%, it is **88.3161, 0.3486, 0.4427**.

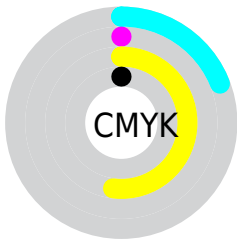
Distribution



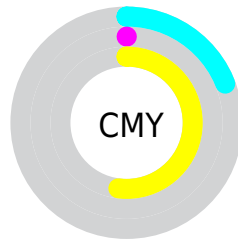
- Red (81%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (67%)



- Cyan (19%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2155, 0.3551, 0.4705 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 86.2155, 0.3551, 0.4705 by changing the saturation by 10% instead.


 86.2155, 0.3551,
0.4705

 86.2155, 0.3551,
0.4705


515.6415, 0.3396,
0.4049


 64.8462, 0.3574,
0.4850


 142.0702, 0.3507,
0.4480

 47.3364, 0.3596,
0.5026


 177.3243, 0.3487,
0.4391

 33.3016, 0.3612,
0.5241


 217.9756, 0.3469,
0.4315

 22.3576, 0.3616,
0.5507

264.4082, 0.3452,
0.4248

 14.1199, 0.3589,
0.5838

317.0068, 0.3436,
0.4189

 8.2041, 0.3550,
0.6348


376.1556, 0.3422,


 4.2258, 0.3256,


0.4137


0.6744


442.2390, 0.3409,
0.4090


 1.8007, 0.2671,
0.7329

 0.4876, 0.0000,
1.0000

 86.2155, 0.3551,
0.4705


 86.2155, 0.3551,
0.4705

 84.3622, 0.3597,
0.4962


 88.3161, 0.3486,
0.4427

 82.7378, 0.3621,
0.5185


 90.6733, 0.3409,
0.4142

 81.3271, 0.3620,
0.5362

 93.3004, 0.3323,
0.3859

 80.1103, 0.3593,
0.5488

 96.2084, 0.3233,
0.3588

 79.2291, 0.3557,
0.5557

 99.4077, 0.3143,
0.3333

100.0000, 0.3127,
0.3290

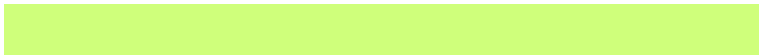
Harmonies

Analogous

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



86.2155, 0.4208, 0.4477



86.2155, 0.3551, 0.4705



86.2155, 0.2819, 0.4419

Triad

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



86.2155, 0.3551, 0.4705



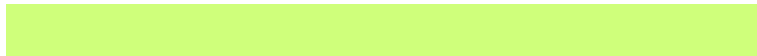
86.2155, 0.1824, 0.2367



86.2155, 0.4071, 0.2880

Complementary

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



86.2155, 0.3551, 0.4705



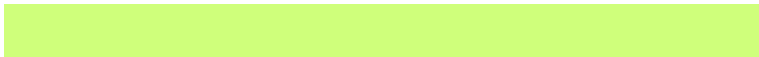
30.0521, 0.2464, 0.1766

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.



86.2155, 0.3304, 0.2445



86.2155, 0.3551, 0.4705



86.2155, 0.2061, 0.2145

Square

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



86.2155, 0.3551, 0.4705



86.2155, 0.1869, 0.2892



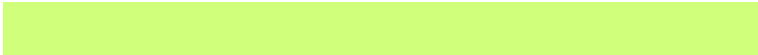
86.2155, 0.2571, 0.2184



86.2155, 0.4570, 0.3416

Rectangle

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



86.2155, 0.3551, 0.4705



86.2155, 0.2388, 0.3950



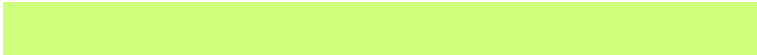
86.2155, 0.2571, 0.2184



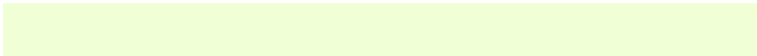
86.2155, 0.3830, 0.2720

Sweetspot

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



86.2168, 0.3551, 0.4705



94.9390, 0.3271, 0.3701



51.1470, 0.4351, 0.3769



20.1931, 0.3290, 0.3757



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.



86.2168, 0.3551, 0.4705



84.3197, 0.3598, 0.4968



78.7743, 0.3151, 0.4902



20.7412, 0.3213, 0.3529



41.4863, 0.3567, 0.5549



4.1012, 0.3638, 0.5493

Inverse Universe

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



30.0521, 0.2464, 0.1766



22.6599, 0.2297, 0.1457



39.0889, 0.3010, 0.1978



17.6993, 0.3036, 0.3048



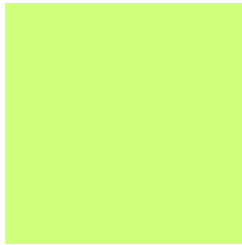
5.0581, 0.1786, 0.0758



0.5517, 0.1910, 0.0826

Previews

White Background



This preview shows how the Yxy color 86.2155, 0.3551, 0.4705 looks on a white background.

Color Contrast Check

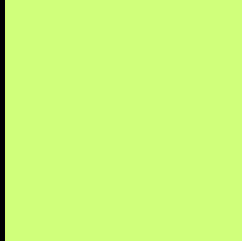
Large Text (above 18pt) WCAG AA × Fail

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 86.2155, 0.3551, 0.4705 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 86.2155, 0.3551, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 86.2155, 0.3551, 0.4705.

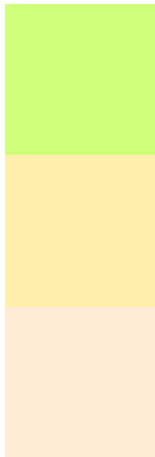


This preview shows how white text looks on a background with the Yxy color 86.2155, 0.3551, 0.4705.

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

86.2155, 0.3551, 0.4705

Protanopia

85.3876, 0.3670, 0.3953

Deuteranopia

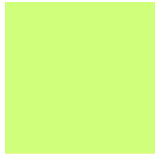
85.5317, 0.3400, 0.3500



Tritanopia

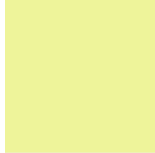
86.0342, 0.2962, 0.3138

Trichromacy



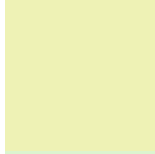
Original Color

86.2155, 0.3551, 0.4705



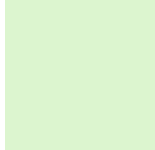
Protanomaly

85.2116, 0.3639, 0.4223



Deuteranomaly

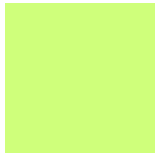
85.0176, 0.3480, 0.3926



Tritanomaly

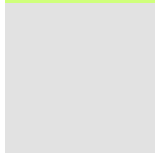
85.0255, 0.3192, 0.3696

Monochromacy



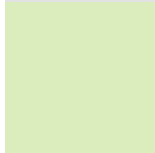
Original Color

86.2155, 0.3551, 0.4705



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.3026, 0.3305, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2155, 0.3551, 0.4705 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 123) }
```

Border

The CSS property to change the border of an element to Yxy 86.2155, 0.3551, 0.4705 is called "border". The border property can be set on classes, ids or directly on the HTML element.

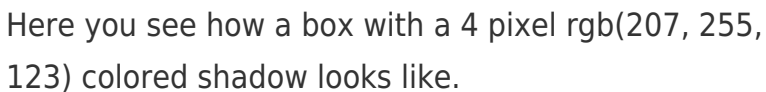
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 255, 123) }
```

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

```
.border{ border-color:rgb(207, 255, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 255, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 255, 123); box-shadow:4px 4px 4px 4px rgb(207, 255, 123) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2155, 0.3551, 0.4705 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, 123) }
```

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

```
.background{ background-color: rgb(207,  
255, 123) }
```

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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