

Converting Colors

Yxy(86.1713, 0.3431, 0.4530)

Have a look what the booklet for
Yxy(86.1713, 0.3431, 0.4530)
contains.

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Color

Yxy(86.1695, 0.3431, 0.4530)

Conversions

Conversions Part 1

Format	Color
Hex	CBFF8E
RGB	203, 255, 142
RGB Percent	80%, 100%, 56%
CMY	0.2041, 0.0000, 0.4431
CMYK	0.20, 0.00, 0.44, 0.00
HSL	88°, 100%, 78%
HSV	88°, 44%, 100%
XYZ	65.2644, 86.1695, 38.7858
YIQ	226.5700, 5.2810, -46.1670

Conversions

Conversions Part 2

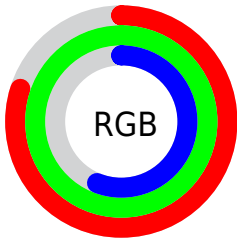
Format	Color
RYB	142, 255, 194
Decimal	13369230
CIELab	94.38, -34.68, 48.54
CIElCh	94, 59.661, 125.546
Yxy	86.1695, 0.3431, 0.4530
Android (android.graphics.Color)	4291559310 (0xFFC8FF8E)
YUV	226.5700, -41.6930, -20.6709
Hunter-Lab	92.8275, -36.9500, 40.2063

Details

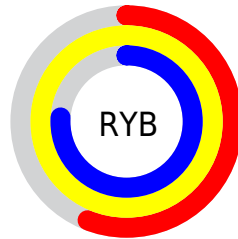
The Yxy color **86.1695, 0.3431, 0.4530** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **38.0435, 0.2668, 0.2031**, and the grayscale version is **76.7849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **47.3125, 0.3468, 0.4821** is the 20% darker color. If you saturate the color by 10%, you get **83.8980, 0.3475, 0.4820**, and if you desaturate by 10%, it is **88.7319, 0.3373, 0.4232**.

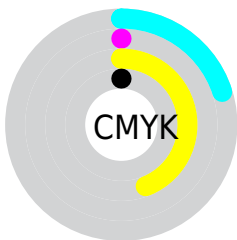
Distribution



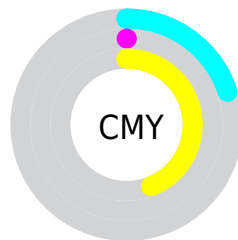
- Red (80%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (76%)



- Cyan (20%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1695, 0.3431, 0.4530 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 86.1695, 0.3431, 0.4530 by changing the saturation by 10% instead.


 86.1695, 0.3431,
0.4530


 86.1695, 0.3431,
0.4530


515.4899, 0.3320,
0.3950

 64.8081, 0.3448,
0.4661


 142.0060, 0.3399,
0.4329

 47.3055, 0.3465,
0.4822


 177.2499, 0.3385,
0.4251

 33.2773, 0.3478,
0.5022


217.8902, 0.3371,
0.4183

 22.3389, 0.3484,
0.5276

264.3111, 0.3359,
0.4124

 14.1061, 0.3468,
0.5604

316.8972, 0.3348,
0.4073

 8.1945, 0.3406,
0.6040

376.0328, 0.3338,

 4.2197, 0.3280,

0.4027

0.6720

442.1022, 0.3328,
0.3986

■ 1.7972, 0.2707,
0.7293

■ 0.4854, 0.0000,
1.0000

■ 86.1695, 0.3431,
0.4530

■ 86.1695, 0.3431,
0.4530

■ 83.8980, 0.3475,
0.4820

■ 88.7319, 0.3373,
0.4232

■ 81.9164, 0.3500,
0.5088

■ 91.6125, 0.3306,
0.3939

■ 80.2034, 0.3503,
0.5319

■ 94.8195, 0.3233,
0.3658

■ 78.7404, 0.3482,
0.5500

■ 98.3647, 0.3159,
0.3396

■ 77.5049, 0.3439,
0.5625

100.0000, 0.3127,
0.3290

■ 76.8865, 0.3408,
0.5676

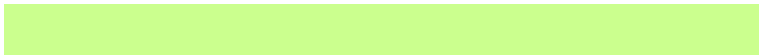
Harmonies

Analogous

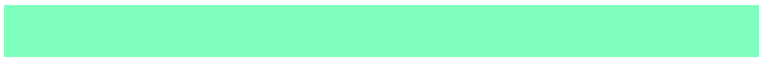
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1695, 0.4035, 0.4404



86.1695, 0.3431, 0.4530



86.1695, 0.2778, 0.4205

Triad

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



86.1695, 0.3431, 0.4530



86.1695, 0.1965, 0.2426



86.1695, 0.4043, 0.2989

Complementary

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



86.1695, 0.3431, 0.4530



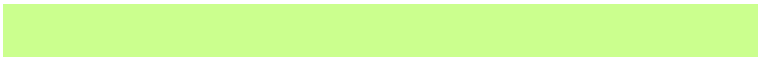
38.0435, 0.2668, 0.2031

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.



86.1695, 0.3384, 0.2574



86.1695, 0.3431, 0.4530



86.1695, 0.2217, 0.2250

Square

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



86.1695, 0.3431, 0.4530



86.1695, 0.1973, 0.2867



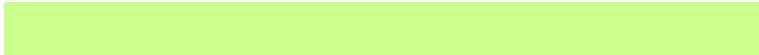
86.1695, 0.2713, 0.2311



86.1695, 0.4436, 0.3487

Rectangle

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



86.1695, 0.3431, 0.4530



86.1695, 0.2405, 0.3777



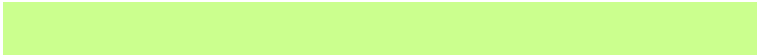
86.1695, 0.2713, 0.2311



86.1695, 0.3841, 0.2838

Sweetspot

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



86.1649, 0.3431, 0.4530



95.2646, 0.3224, 0.3623



61.2889, 0.4061, 0.3820



20.2308, 0.3240, 0.3683



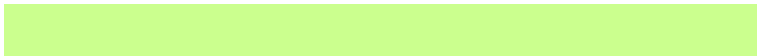
0.0000, 0.0000, 0.0000



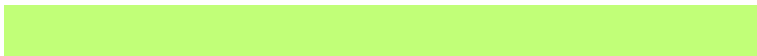
21.4041, 0.3127, 0.3290

Same Dimension

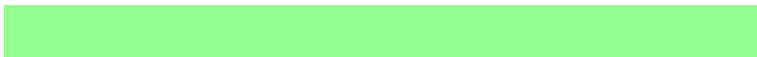
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1649, 0.3431, 0.4530



84.1785, 0.3470, 0.4783



79.7373, 0.3092, 0.4670



20.6508, 0.3198, 0.3530



40.2647, 0.3420, 0.5667



3.9854, 0.3502, 0.5601

Inverse Universe

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



38.0435, 0.2668, 0.2031



30.5728, 0.2550, 0.1769



46.7727, 0.3130, 0.2188



17.7876, 0.3051, 0.3049



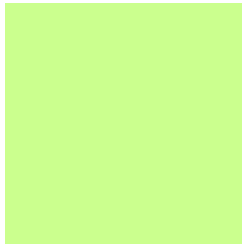
5.8509, 0.1946, 0.0846



0.6338, 0.2071, 0.0915

Previews

White Background



This preview shows how the Yxy color 86.1695, 0.3431, 0.4530 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 86.1695, 0.3431, 0.4530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

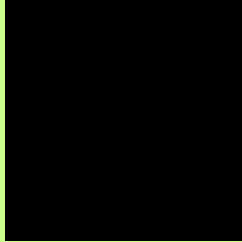
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1695, 0.3431, 0.4530

Background



This preview shows how black text looks on a background with the Yxy color 86.1695, 0.3431, 0.4530.

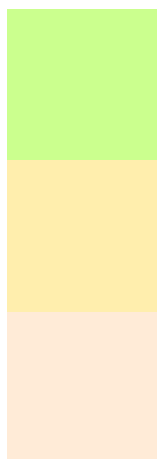


This preview shows how white text looks on a background with the Yxy color 86.1695, 0.3431, 0.4530.

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

86.1695, 0.3431, 0.4530

Protanopia

85.4262, 0.3663, 0.3944

Deuteranopia

85.5830, 0.3393, 0.3490



Tritanopia

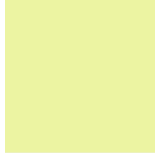
86.1381, 0.2943, 0.3147

Trichromacy



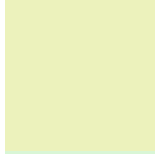
Original Color

86.1695, 0.3431, 0.4530



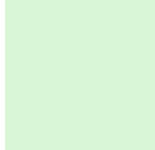
Protanomaly

85.1429, 0.3577, 0.4146



Deuteranomaly

84.9680, 0.3422, 0.3855



Tritanomaly

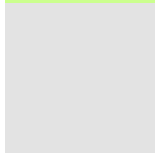
85.5183, 0.3130, 0.3632

Monochromacy



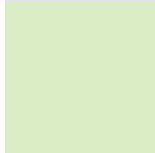
Original Color

86.1695, 0.3431, 0.4530



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4593, 0.3254, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1695, 0.3431, 0.4530 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(203, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 142)  
}
```

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(203, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 142) }
```

Border

The CSS property to change the border of an element to Yxy 86.1695, 0.3431, 0.4530 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(203, 255, 142) }
```

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

```
.border{ border-color:rgb(203, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1695, 0.3431, 0.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 142) }
```

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

```
.background{ background-color: rgb(203,  
255, 142) }
```

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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