

Converting Colors

$Yxy(86.1683, 0.3443, 0.4547)$

Have a look what the booklet for
Yxy(86.1683, 0.3443, 0.4547)
contains.

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Color

Yxy(86.1100, 0.3441, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	CBFF8C
RGB	203, 255, 140
RGB Percent	80%, 100%, 55%
CMY	0.2042, 0.0000, 0.4510
CMYK	0.20, 0.00, 0.45, 0.00
HSL	87°, 100%, 77%
HSV	87°, 45%, 100%
XYZ	65.1076, 86.1100, 37.9936
YIQ	226.3420, 5.9230, -46.7890

Conversions

Conversions Part 2

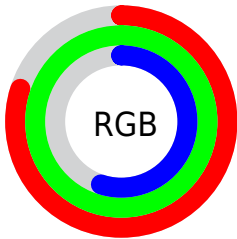
Format	Color
RYB	140, 255, 192
Decimal	13369228
CIELab	94.36, -34.93, 49.47
CIELCh	94, 60.559, 125.223
Yxy	86.1100, 0.3441, 0.4551
Android (android.graphics.Color)	4291559308 (0xFFCBBFF8C)
YUV	226.3420, -42.5666, -20.4709
Hunter-Lab	92.7955, -37.1521, 40.6815

Details

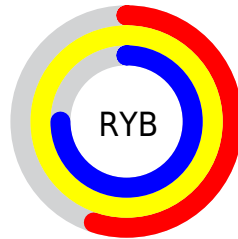
The Yxy color **86.1100, 0.3441, 0.4551** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.1855, 0.2650, 0.2004**, and the grayscale version is **76.6074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **47.2793, 0.3479, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **83.8728, 0.3485, 0.4838**, and if you desaturate by 10%, it is **88.6223, 0.3383, 0.4254**.

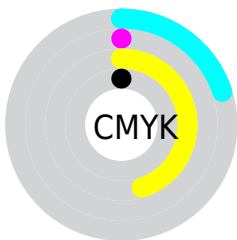
Distribution



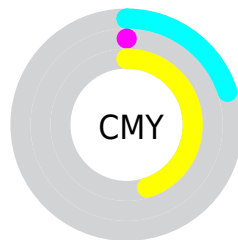
- Red (80%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (75%)



- Cyan (20%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1100, 0.3441, 0.4551 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 86.1100, 0.3441, 0.4551 by changing the saturation by 10% instead.

 86.1100, 0.3441,
0.4551


 86.1100, 0.3441,
0.4551

515.2939, 0.3326,
0.3961

 64.7589, 0.3459,
0.4684


 141.9230, 0.3408,
0.4347

 47.2656, 0.3475,
0.4847


 177.1537, 0.3393,
0.4267

 33.2457, 0.3489,
0.5050


217.7797, 0.3380,
0.4199

 22.3147, 0.3494,
0.5306

264.1855, 0.3367,
0.4139

 14.0883, 0.3477,
0.5637

316.7554, 0.3355,
0.4086

 8.1821, 0.3414,
0.6079


375.8738, 0.3345,


 4.2117, 0.3267,


0.4040


0.6733


441.9252, 0.3335,
0.3998


 1.7927, 0.2686,
0.7314


 0.4826, 0.0000,
1.0000


 86.1100, 0.3441,
0.4551


 86.1100, 0.3441,
0.4551


 83.8728, 0.3485,
0.4838


 88.6223, 0.3383,
0.4254


 81.9257, 0.3509,
0.5102

 91.4530, 0.3315,
0.3961

 80.2422, 0.3511,
0.5328

 94.6049, 0.3241,
0.3680

 78.8035, 0.3490,
0.5504

 98.0896, 0.3166,
0.3416

■ 77.5868, 0.3446,
0.5624

100.0000, 0.3127,
0.3290

■ 77.0573, 0.3420,
0.5667

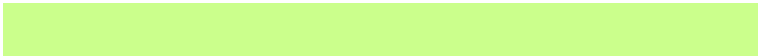
Harmonies

Analogous

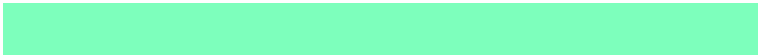
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1100, 0.4052, 0.4415



86.1100, 0.3441, 0.4551



86.1100, 0.2779, 0.4226

Triad

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



86.1100, 0.3441, 0.4551



86.1100, 0.1948, 0.2417



86.1100, 0.4051, 0.2979

Complementary

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



86.1100, 0.3441, 0.4551



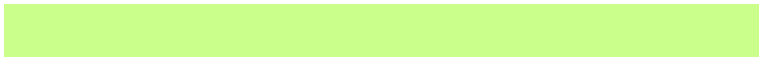
37.1855, 0.2650, 0.2004

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.



86.1100, 0.3379, 0.2561



86.1100, 0.3441, 0.4551



86.1100, 0.2201, 0.2237

Square

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



86.1100, 0.3441, 0.4551



86.1100, 0.1960, 0.2866



86.1100, 0.2700, 0.2297



86.1100, 0.4454, 0.3483

Rectangle

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



86.1100, 0.3441, 0.4551



86.1100, 0.2399, 0.3792



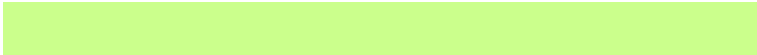
86.1100, 0.2700, 0.2297



86.1100, 0.3844, 0.2827

Sweetspot

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



86.1001, 0.3441, 0.4551



94.9729, 0.3233, 0.3650



60.7392, 0.4083, 0.3829



20.1749, 0.3249, 0.3709



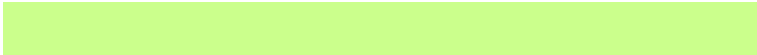
0.0000, 0.0000, 0.0000



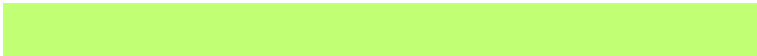
21.4041, 0.3127, 0.3290

Same Dimension

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



86.1001, 0.3441, 0.4551



84.1046, 0.3481, 0.4807



79.4999, 0.3091, 0.4699



20.6580, 0.3199, 0.3530



40.3541, 0.3431, 0.5658



3.9941, 0.3513, 0.5593

Inverse Universe

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



37.1855, 0.2650, 0.2004



29.6724, 0.2527, 0.1736



46.1576, 0.3130, 0.2170



17.7804, 0.3050, 0.3049



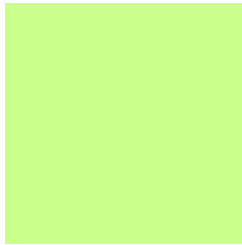
5.7787, 0.1932, 0.0838



0.6265, 0.2057, 0.0907

Previews

White Background



This preview shows how the Yxy color 86.1100, 0.3441, 0.4551 looks on a white background.

Color Contrast Check

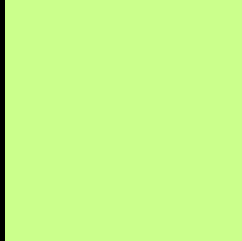
Large Text (above 18pt) WCAG AA × Fail

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 86.1100, 0.3441, 0.4551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

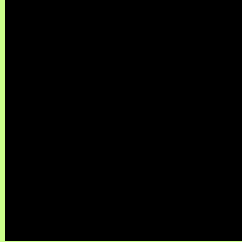
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1100, 0.3441, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 86.1100, 0.3441, 0.4551.

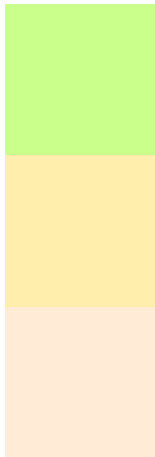


This preview shows how white text looks on a background with the Yxy color 86.1100, 0.3441, 0.4551.

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

86.1100, 0.3441, 0.4551

Protanopia

85.3876, 0.3670, 0.3953

Deuteranopia

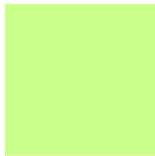
85.5317, 0.3400, 0.3500



Tritanopia

85.5477, 0.2943, 0.3137

Trichromacy



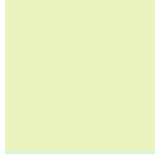
Original Color

86.1100, 0.3441, 0.4551



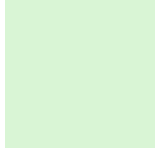
Protanomaly

85.0723, 0.3589, 0.4167



Deuteranomaly

84.9250, 0.3428, 0.3866



Tritanomaly

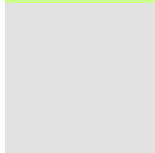
84.8606, 0.3137, 0.3633

Monochromacy



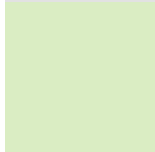
Original Color

86.1100, 0.3441, 0.4551



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.4139, 0.3260, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1100, 0.3441, 0.4551 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 140) }
```

Border

The CSS property to change the border of an element to Yxy 86.1100, 0.3441, 0.4551 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, 140) }
```

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

```
.border{ border-color:rgb(203, 255, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1100, 0.3441, 0.4551 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, 140) }
```

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

```
.background{ background-color: rgb(203,  
255, 140) }
```

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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