

Converting Colors

$Y_{xy}(116.8292, 0.3213, 0.4574)$

Have a look what the booklet for
Yxy(116.8292, 0.3213, 0.4574)
contains.

Yxy(86.8778, 0.3265, 0.4221)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.8778, 0.3265, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFAB
RGB	201, 255, 171
RGB Percent	79%, 100%, 67%
CMY	0.2117, 0.0000, 0.3295
CMYK	0.21, 0.00, 0.33, 0.00
HSL	99°, 100%, 84%
HSV	99°, 33%, 100%
XYZ	67.2011, 86.8778, 51.7438
YIQ	229.2780, -5.2200, -37.5720

Conversions

Conversions Part 2

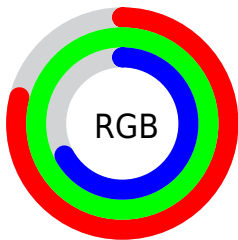
Format	Color
RYB	171, 255, 225
Decimal	13238187
CIELab	94.69, -31.66, 34.76
CIElCh	95, 47.023, 132.327
Yxy	86.8778, 0.3265, 0.4221
Android (android.graphics.Color)	4291428267 (0xFFC9FFAB)
YUV	229.2780, -28.7311, -24.7998
Hunter-Lab	93.2083, -34.4198, 32.3314

Details

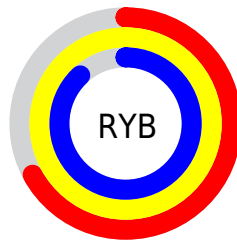
The Yxy color **86.8778, 0.3265, 0.4221** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.3384, 0.2928, 0.2408**, and the grayscale version is **78.7918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **47.8072, 0.3281, 0.4442** is the 20% darker color. If you saturate the color by 10%, you get **83.8492, 0.3295, 0.4541**, and if you desaturate by 10%, it is **90.3414, 0.3227, 0.3913**.

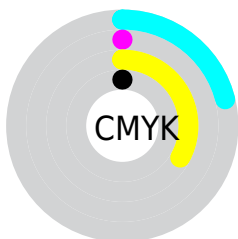
Distribution



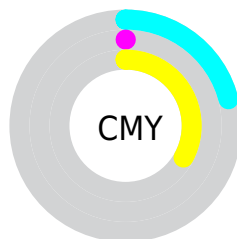
- Red (79%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (88%)



- Cyan (21%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8778, 0.3265, 0.4221 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 86.8778, 0.3265, 0.4221 by changing the saturation by 10% instead.

 86.8778, 0.3265,
0.4221

 86.8778, 0.3265,
0.4221


517.8212, 0.3216,
0.3784

 65.3941, 0.3272,
0.4321

 142.9938, 0.3251,
0.4069

 47.7807, 0.3279,
0.4445


178.3949, 0.3245,
0.4010

 33.6533, 0.3284,
0.4601


219.2039, 0.3239,
0.3959

 22.6273, 0.3286,
0.4804

265.8052, 0.3234,
0.3915

 14.3186, 0.3277,
0.5077

318.5831, 0.3229,
0.3876

 8.3426, 0.3244,
0.5459

377.9222, 0.3224,


 4.3149, 0.3171,

0.3842

0.6063


444.2068, 0.3220,
0.3812


 1.8512, 0.2944,
0.7056


 0.5188, 0.0000,
1.0000


 86.8778, 0.3265,
0.4221

 86.8778, 0.3265,
0.4221


 83.8492, 0.3295,
0.4541


 90.3414, 0.3227,
0.3913

 81.2292, 0.3312,
0.4861

 94.2493, 0.3185,
0.3625

 79.0007, 0.3315,
0.5163

 98.6203, 0.3140,
0.3363

 77.1418, 0.3301,
0.5429

100.0000, 0.3127,
0.3290

■ 75.6282, 0.3269,
0.5641

■ 74.4316, 0.3221,
0.5787

■ 73.7536, 0.3183,
0.5855

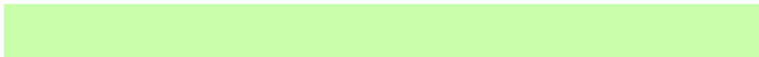
Harmonies

Analogous

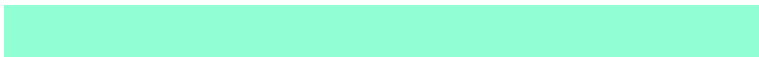
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8778, 0.3765, 0.4222



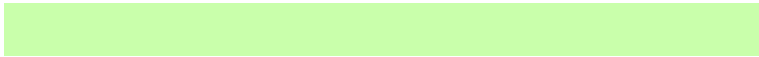
86.8778, 0.3265, 0.4221



86.8778, 0.2752, 0.3892

Triad

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



86.8778, 0.3265, 0.4221



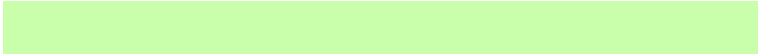
86.8778, 0.2215, 0.2553



86.8778, 0.3940, 0.3146

Complementary

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



86.8778, 0.3265, 0.4221



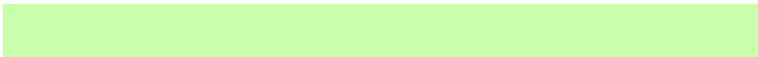
52.3384, 0.2928, 0.2408

Split Complementary

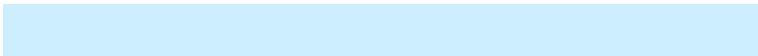
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8778, 0.3460, 0.2781



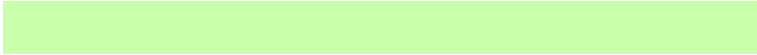
86.8778, 0.3265, 0.4221



86.8778, 0.2473, 0.2444

Square

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



86.8778, 0.3265, 0.4221



86.8778, 0.2175, 0.2871



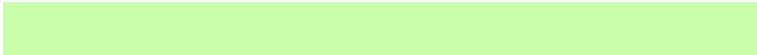
86.8778, 0.2917, 0.2531



86.8778, 0.4184, 0.3564

Rectangle

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



86.8778, 0.3265, 0.4221



86.8778, 0.2471, 0.3548



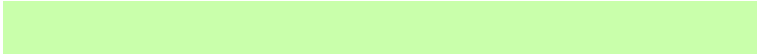
86.8778, 0.2917, 0.2531



86.8778, 0.3799, 0.3015

Sweetspot

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



86.8804, 0.3265, 0.4221



95.4895, 0.3172, 0.3545



77.6144, 0.3719, 0.3834



20.3111, 0.3178, 0.3583



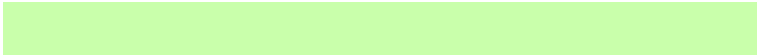
0.0000, 0.0000, 0.0000



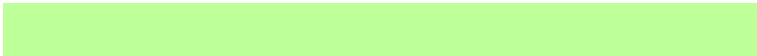
21.4041, 0.3127, 0.3290

Same Dimension

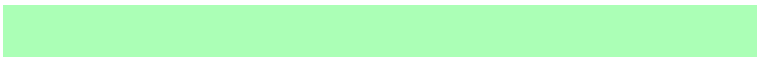
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8804, 0.3265, 0.4221



84.6995, 0.3287, 0.4446



83.5606, 0.3023, 0.4140



20.4841, 0.3170, 0.3532



38.6137, 0.3194, 0.5846



3.8184, 0.3280, 0.5777

Inverse Universe

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



52.3384, 0.2928, 0.2408



44.9890, 0.2872, 0.2208



56.8975, 0.3253, 0.2568



17.9565, 0.3080, 0.3052



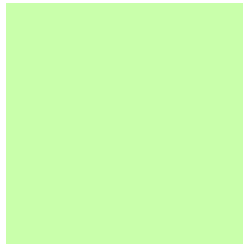
7.9733, 0.2325, 0.1055



0.8378, 0.2426, 0.1110

Previews

White Background



This preview shows how the Yxy color 86.8778, 0.3265, 0.4221 looks on a white background.

Color Contrast Check

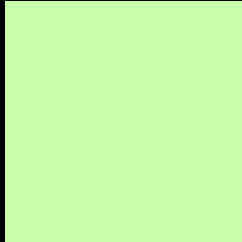
Large Text (above 18pt) WCAG AA × Fail

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 86.8778, 0.3265, 0.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

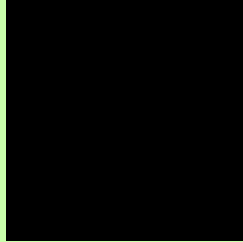
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

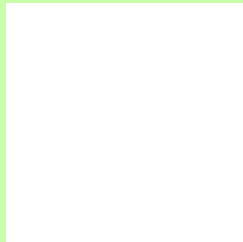
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8778, 0.3265, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 86.8778, 0.3265, 0.4221.

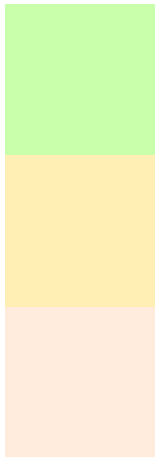


This preview shows how white text looks on a background with the Yxy color 86.8778, 0.3265, 0.4221.

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

86.8778, 0.3265, 0.4221

Protanopia

86.3292, 0.3609, 0.3873

Deuteranopia

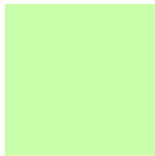
86.4182, 0.3359, 0.3449



Tritanopia

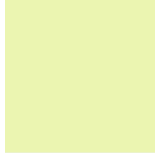
86.5716, 0.2938, 0.3157

Trichromacy



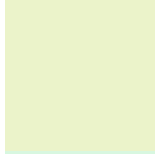
Original Color

86.8778, 0.3265, 0.4221



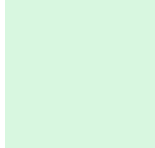
Protanomaly

86.1413, 0.3477, 0.4002



Deuteranomaly

86.0276, 0.3326, 0.3717



Tritanomaly

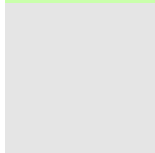
86.5023, 0.3065, 0.3534

Monochromacy



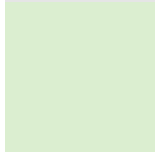
Original Color

86.8778, 0.3265, 0.4221



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.7632, 0.3185, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8778, 0.3265, 0.4221 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(201, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 171)  
}
```

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(201, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 86.8778, 0.3265, 0.4221 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(201, 255, 171) }
```

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

```
.border{ border-color:rgb(201, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8778, 0.3265, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 171) }
```

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

```
.background{ background-color: rgb(201,  
255, 171) }
```

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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