

Converting Colors

$Yxy(86.5916, 0.3002, 0.3854)$

Have a look what the booklet for
Yxy(86.5916, 0.3002, 0.3854)
contains.

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Color

Yxy(86.6191, 0.3000, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFCD
RGB	188, 255, 205
RGB Percent	74%, 100%, 80%
CMY	0.2628, 0.0000, 0.1961
CMYK	0.26, 0.00, 0.20, 0.00
HSL	135°, 100%, 87%
HSV	135°, 26%, 100%
XYZ	67.5129, 86.6191, 70.9111
YIQ	229.2670, -23.8820, -29.7540

Conversions

Conversions Part 2

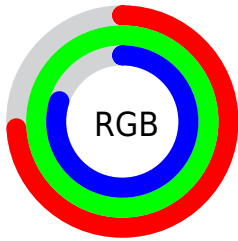
Format	Color
R _{YB}	188, 241, 255
Decimal	12386253
CIE _{Lab}	94.58, -30.50, 17.29
CIE _{LCh}	95, 35.061, 150.454
Y _{xy}	86.6191, 0.3000, 0.3849
Android (android.graphics.Color)	4290576333 (0xFFBCFFCD)
YUV	229.2670, -11.9636, -36.1912
Hunter-Lab	93.0694, -33.3867, 19.9745

Details

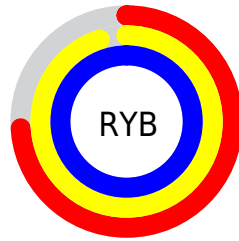
The Yxy color **86.6191, 0.3000, 0.3849** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.3892, 0.3285, 0.2790**, and the grayscale version is **78.6576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **47.6091, 0.2963, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **82.7951, 0.2956, 0.4105**, and if you desaturate by 10%, it is **91.1204, 0.3048, 0.3616**.

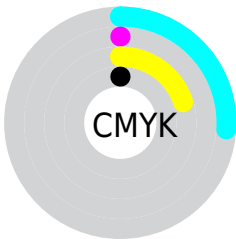
Distribution



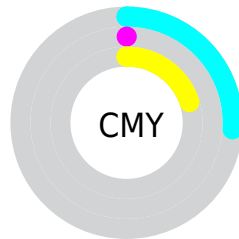
- Red (74%)
- Green (100%)
- Blue (80%)



- Red (74%)
- Yellow (95%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6191, 0.3000, 0.3849 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 86.6191, 0.3000, 0.3849 by changing the saturation by 10% instead.

 86.6191, 0.3000,
0.3849

 86.6191, 0.3000,
0.3849


516.9704, 0.3062,
0.3588

 65.1800, 0.2985,
0.3909


 142.6331, 0.3022,
0.3758

 47.6071, 0.2966,
0.3983


177.9769, 0.3031,
0.3723

 33.5158, 0.2942,
0.4078


218.7243, 0.3038,
0.3693

 22.5219, 0.2909,
0.4202

265.2598, 0.3044,
0.3666

 14.2409, 0.2862,
0.4372

317.9677, 0.3049,
0.3643

 8.2884, 0.2792,
0.4617

377.2326, 0.3054,

 4.2800, 0.2675,

0.3623

0.5001

443.4387, 0.3058,
0.3604

■ 1.8314, 0.2490,
0.5779

■ 0.5066, 0.0000,
1.0000

■ 86.6191, 0.3000,
0.3849

■ 86.6191, 0.3000,
0.3849

■ 82.7951, 0.2956,
0.4105

■ 91.1204, 0.3048,
0.3616

■ 79.6241, 0.2918,
0.4381

■ 96.3406, 0.3096,
0.3408

■ 77.0658, 0.2890,
0.4667

100.0000, 0.3127,
0.3290

■ 75.0792, 0.2874,
0.4954

■ 73.6182, 0.2872,
0.5226

■ 72.6293, 0.2886,
0.5468

■ 72.0464, 0.2913,
0.5667

■ 71.8985, 0.2925,
0.5729

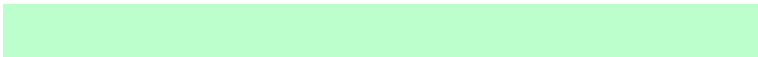
Harmonies

Analogous

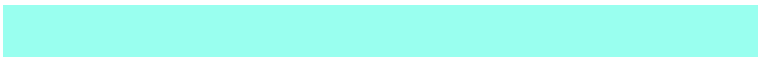
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6191, 0.3397, 0.4005



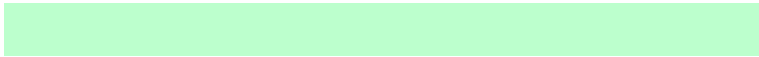
86.6191, 0.3000, 0.3849



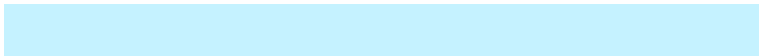
86.6191, 0.2652, 0.3510

Triad

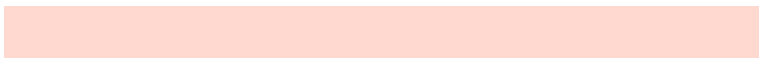
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6191, 0.3000, 0.3849



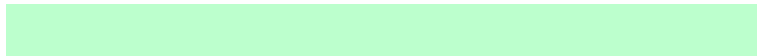
86.6191, 0.2533, 0.2660



86.6191, 0.3868, 0.3384

Complementary

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



86.6191, 0.3000, 0.3849



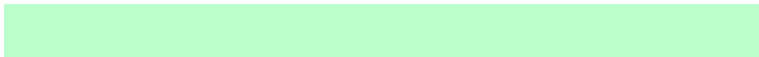
63.3892, 0.3285, 0.2790

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.



86.6191, 0.3607, 0.3067



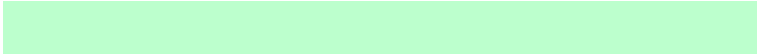
86.6191, 0.3000, 0.3849



86.6191, 0.2826, 0.2664

Square

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



86.6191, 0.3000, 0.3849



86.6191, 0.2396, 0.2817



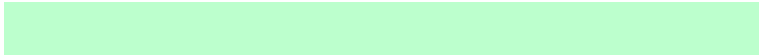
86.6191, 0.3218, 0.2811



86.6191, 0.3913, 0.3699

Rectangle

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



86.6191, 0.3000, 0.3849



86.6191, 0.2491, 0.3247



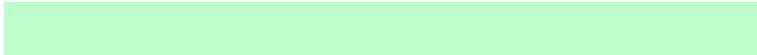
86.6191, 0.3218, 0.2811



86.6191, 0.3802, 0.3276

Sweetspot

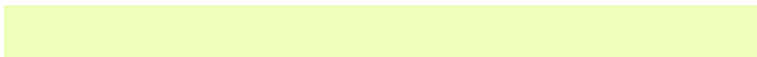
The Sweet Spot groups the original color and five complimentary colors.



86.6158, 0.3000, 0.3849



95.3923, 0.3088, 0.3442



93.3694, 0.3413, 0.3975



20.2438, 0.3081, 0.3472



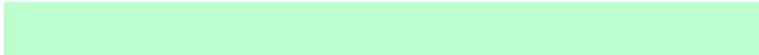
0.0000, 0.0000, 0.0000



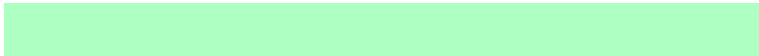
21.4041, 0.3127, 0.3290

Same Dimension

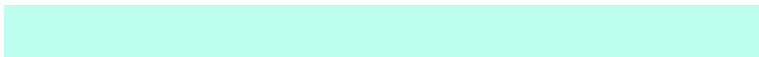
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6158, 0.3000, 0.3849



84.3500, 0.2974, 0.3993



88.3959, 0.2825, 0.3471



20.2438, 0.3081, 0.3472



37.5887, 0.2917, 0.5702



3.6766, 0.2858, 0.5490

Inverse Universe

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



63.3892, 0.3285, 0.2790



57.2578, 0.3328, 0.2678



61.6118, 0.3553, 0.3118



18.2170, 0.3177, 0.3114



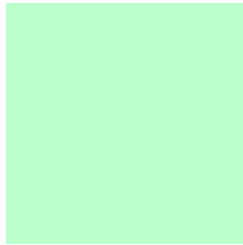
13.0830, 0.3979, 0.1965



1.2915, 0.3871, 0.1906

Previews

White Background



This preview shows how the Yxy color 86.6191, 0.3000, 0.3849 looks on a white background.

Color Contrast Check

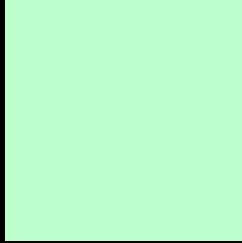
Large Text (above 18pt) WCAG AA × Fail

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 86.6191, 0.3000, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

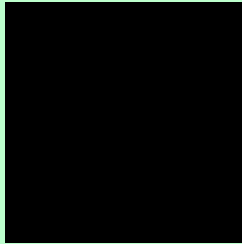
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.6191, 0.3000, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 86.6191, 0.3000, 0.3849.

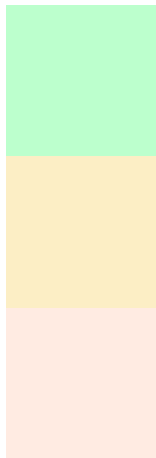


This preview shows how white text looks on a background with the Yxy color 86.6191, 0.3000, 0.3849.

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

86.6191, 0.3000, 0.3849

Protanopia

85.8757, 0.3485, 0.3705

Deuteranopia

86.1676, 0.3321, 0.3380



Tritanopia

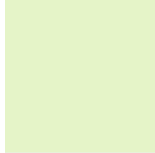
86.0729, 0.2895, 0.3166

Trichromacy



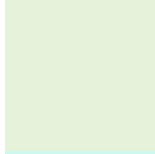
Original Color

86.6191, 0.3000, 0.3849



Protanomaly

85.5295, 0.3296, 0.3754



Deuteranomaly

85.5551, 0.3201, 0.3540



Tritanomaly

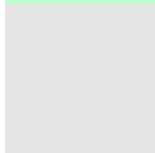
85.7578, 0.2930, 0.3396

Monochromacy



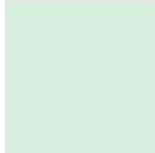
Original Color

86.6191, 0.3000, 0.3849



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6125, 0.3079, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6191, 0.3000, 0.3849 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(188, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 205)  
}
```

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(188, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 86.6191, 0.3000, 0.3849 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(188, 255, 205) }
```

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

```
.border{ border-color:rgb(188, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6191, 0.3000, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 205) }
```

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

```
.background{ background-color: rgb(188,  
255, 205) }
```

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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