

Converting Colors

$Yxy(86.0170, 0.2887, 0.3725)$

Have a look what the booklet for
Yxy(86.0170, 0.2887, 0.3725)
contains.

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Color

Yxy(86.0616, 0.2891, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFD8
RGB	179, 255, 216
RGB Percent	70%, 100%, 85%
CMY	0.2981, 0.0000, 0.1530
CMYK	0.30, 0.00, 0.15, 0.00
HSL	149°, 100%, 85%
HSV	149°, 30%, 100%
XYZ	66.7393, 86.0616, 78.0510
YIQ	227.8300, -32.7770, -28.2410

Conversions

Conversions Part 2

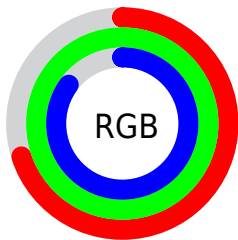
Format	Color
RYB	179, 230, 255
Decimal	11796440
CIELab	94.34, -31.19, 11.25
CIELCh	94, 33.153, 160.171
Yxy	86.0616, 0.2891, 0.3728
Android (android.graphics.Color)	4289986520 (0xFFB3FFD8)
YUV	227.8300, -5.8322, -42.8239
Hunter-Lab	92.7694, -33.9316, 15.0552

Details

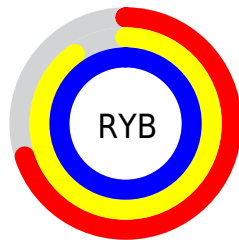
The Yxy color **86.0616, 0.2891, 0.3728** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.5519, 0.3457, 0.2892**, and the grayscale version is **77.5066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **47.2465, 0.2836, 0.3836** is the 20% darker color. If you saturate the color by 10%, you get **82.6460, 0.2823, 0.3905**, and if you desaturate by 10%, it is **90.0860, 0.2966, 0.3566**.

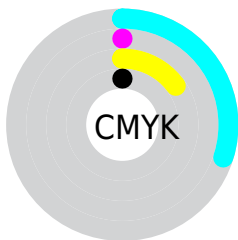
Distribution



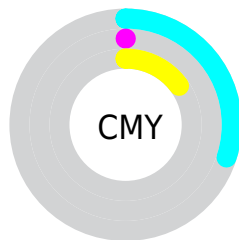
- Red (70%)
- Green (100%)
- Blue (85%)



- Red (70%)
- Yellow (90%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0616, 0.2891, 0.3728 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 86.0616, 0.2891, 0.3728 by changing the saturation by 10% instead.

 86.0616, 0.2891,
0.3728

 86.0616, 0.2891,
0.3728

515.1343, 0.3000,
0.3525

 64.7189, 0.2866,
0.3775


 141.8554, 0.2929,
0.3657

 47.2332, 0.2835,
0.3832

177.0754, 0.2944,
0.3630

 33.2200, 0.2797,
0.3905


217.6899, 0.2956,
0.3606

 22.2951, 0.2746,
0.4001

264.0833, 0.2967,
0.3586

 14.0739, 0.2677,
0.4132

316.6401, 0.2977,
0.3568

 8.1721, 0.2578,
0.4320

375.7446, 0.2986,

 4.2052, 0.2424,

0.3552

0.4615

441.7812, 0.2993,
0.3538

■ 1.7890, 0.2149,
0.5143

■ 0.4803, 0.0000,
1.0000

■ 86.0616, 0.2891,
0.3728

■ 86.0616, 0.2891,
0.3728

■ 82.6460, 0.2823,
0.3905

■ 90.0860, 0.2966,
0.3566

■ 79.8171, 0.2767,
0.4095

■ 94.7594, 0.3046,
0.3419

■ 77.5364, 0.2725,
0.4294

100.0000, 0.3127,
0.3290

■ 75.7645, 0.2701,
0.4498

■ 74.4565, 0.2696,
0.4701

■ 73.5592, 0.2712,
0.4898

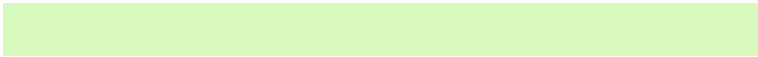
■ 72.9883, 0.2745,
0.5082

■ 72.9790, 0.2746,
0.5085

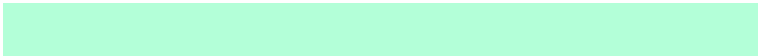
Harmonies

Analogous

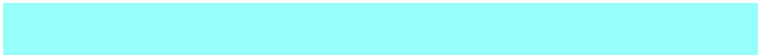
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0616, 0.3263, 0.3941



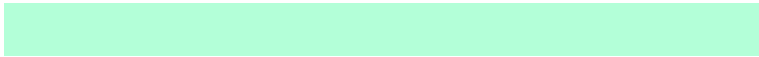
86.0616, 0.2891, 0.3728



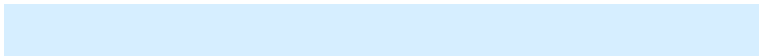
86.0616, 0.2594, 0.3378

Triad

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



86.0616, 0.2891, 0.3728



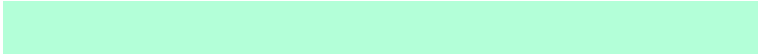
86.0616, 0.2639, 0.2676



86.0616, 0.3867, 0.3482

Complementary

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



86.0616, 0.2891, 0.3728



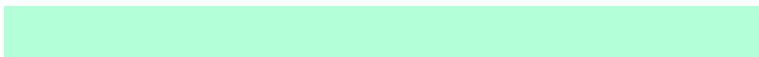
58.5519, 0.3457, 0.2892

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.



86.0616, 0.3681, 0.3173



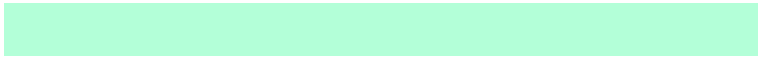
86.0616, 0.2891, 0.3728



86.0616, 0.2956, 0.2726

Square

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



86.0616, 0.2891, 0.3728



86.0616, 0.2456, 0.2777



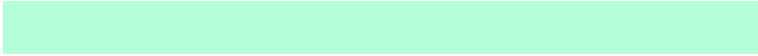
86.0616, 0.3340, 0.2904



86.0616, 0.3839, 0.3765

Rectangle

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



86.0616, 0.2891, 0.3728



86.0616, 0.2473, 0.3135



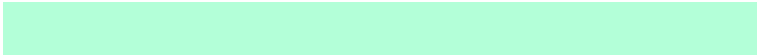
86.0616, 0.3340, 0.2904



86.0616, 0.3827, 0.3378

Sweetspot

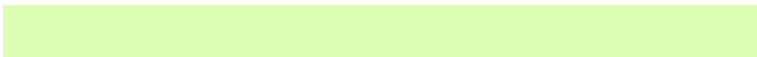
The Sweet Spot groups the original color and five complimentary colors.



86.0582, 0.2891, 0.3728



95.1687, 0.3053, 0.3408



89.7185, 0.3332, 0.4102



20.2140, 0.3041, 0.3428



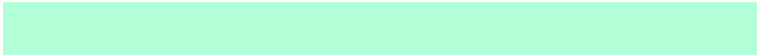
0.0000, 0.0000, 0.0000



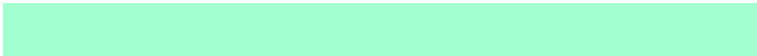
21.4041, 0.3127, 0.3290

Same Dimension

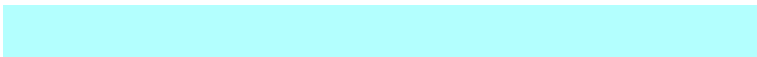
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0582, 0.2891, 0.3728



83.8765, 0.2848, 0.3836



88.2395, 0.2702, 0.3302



20.3156, 0.3049, 0.3415



38.1630, 0.2738, 0.5056



3.7378, 0.2679, 0.4844

Inverse Universe

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



58.5519, 0.3457, 0.2892



52.1939, 0.3551, 0.2806



56.7959, 0.3788, 0.3279



18.1427, 0.3213, 0.3169



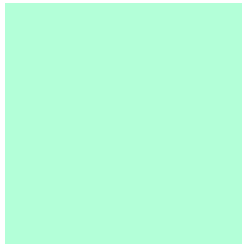
11.9933, 0.4909, 0.2478



1.1898, 0.4662, 0.2342

Previews

White Background



This preview shows how the Yxy color 86.0616, 0.2891, 0.3728 looks on a white background.

Color Contrast Check

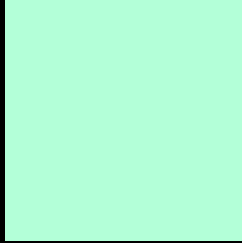
Large Text (above 18pt) WCAG AA × Fail

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 86.0616, 0.2891, 0.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

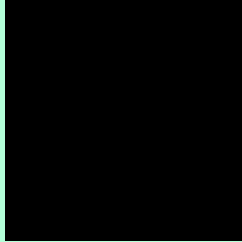
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

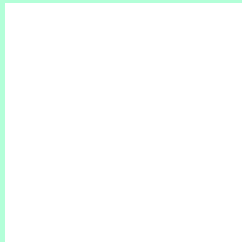
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0616, 0.2891, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 86.0616, 0.2891, 0.3728.

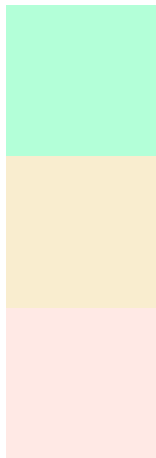


This preview shows how white text looks on a background with the Yxy color 86.0616, 0.2891, 0.3728.

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

86.0616, 0.2891, 0.3728

Protanopia

85.2131, 0.3401, 0.3595

Deuteranopia

85.1950, 0.3304, 0.3330



Tritanopia

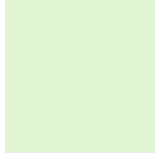
85.3182, 0.2866, 0.3165

Trichromacy



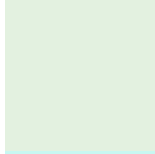
Original Color

86.0616, 0.2891, 0.3728



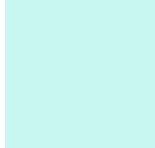
Protanomaly

85.2018, 0.3201, 0.3650



Deuteranomaly

84.6233, 0.3138, 0.3468



Tritanomaly

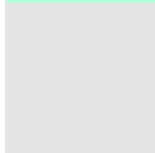
85.1518, 0.2873, 0.3354

Monochromacy



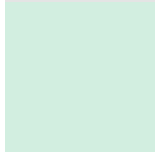
Original Color

86.0616, 0.2891, 0.3728



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2325, 0.3029, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0616, 0.2891, 0.3728 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(179, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 216)  
}
```

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(179, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 86.0616, 0.2891, 0.3728 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(179, 255, 216) }
```

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

```
.border{ border-color:rgb(179, 255, 216) }
```

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

Here you see how a box with a 4 pixel rgb(179, 255, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0616, 0.2891, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 216) }
```

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

```
.background{ background-color: rgb(179,  
255, 216) }
```

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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