

Converting Colors

Yxy(86.5165, 0.2839, 0.3616)

Have a look what the booklet for
Yxy(86.5165, 0.2839, 0.3616)
contains.

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Color

Yxy(86.5947, 0.2840, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFE2
RGB	179, 255, 226
RGB Percent	70%, 100%, 89%
CMY	0.2978, 0.0000, 0.1138
CMYK	0.30, 0.00, 0.11, 0.00
HSL	157°, 100%, 85%
HSV	157°, 30%, 100%
XYZ	68.0866, 86.5947, 85.0604
YIQ	228.9700, -35.9870, -25.1310

Conversions

Conversions Part 2

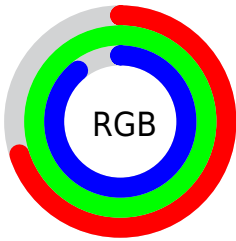
Format	Color
RYB	179, 226, 255
Decimal	11796450
CIELab	94.57, -29.20, 6.43
CIELCh	95, 29.897, 167.575
Yxy	86.5947, 0.2840, 0.3612
Android (android.graphics.Color)	4289986530 (0xFFB3FFE2)
YUV	228.9700, -1.4642, -43.8237
Hunter-Lab	93.0563, -32.2451, 10.9439

Details

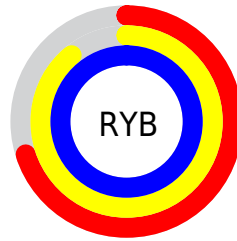
The Yxy color **86.5947, 0.2840, 0.3612** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.0850, 0.3542, 0.2991**, and the grayscale version is **78.3732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **47.6135, 0.2773, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **83.3143, 0.2758, 0.3741**, and if you desaturate by 10%, it is **90.4744, 0.2931, 0.3493**.

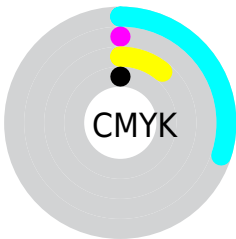
Distribution



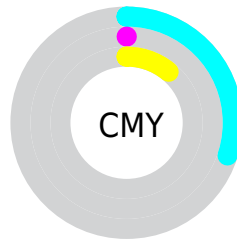
- Red (70%)
- Green (100%)
- Blue (89%)



- Red (70%)
- Yellow (89%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5947, 0.2840, 0.3612 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 86.5947, 0.2840, 0.3612 by changing the saturation by 10% instead.

 86.5947, 0.2840,
0.3612

 86.5947, 0.2840,
0.3612


516.8901, 0.2970,
0.3464

 65.1599, 0.2811,
0.3645


 142.5991, 0.2885,
0.3561

 47.5907, 0.2775,
0.3687

177.9374, 0.2902,
0.3541

 33.5029, 0.2730,
0.3739

218.6790, 0.2917,
0.3524

 22.5120, 0.2673,
0.3806

265.2083, 0.2931,
0.3509

 14.2336, 0.2595,
0.3898

317.9097, 0.2942,
0.3496

 8.2833, 0.2487,
0.4028

377.1675, 0.2953,

 4.2768, 0.2324,

0.3484

0.4229

443.3662, 0.2962,
0.3474

■ 1.8295, 0.2051,
0.4577

■ 0.5055, 0.0000,
0.8339

■ 86.5947, 0.2840,
0.3612

■ 86.5947, 0.2840,
0.3612

■ 83.3143, 0.2758,
0.3741

■ 90.4744, 0.2931,
0.3493


■ 80.5912, 0.2689,
0.3879


■ 94.9720, 0.3029,
0.3385

■ 78.3942, 0.2636,
0.4024


■ 99.9966, 0.3127,
0.3290

■ 76.6851, 0.2601,
0.4173

 75.4197, 0.2586,
0.4324

 74.5460, 0.2592,
0.4473

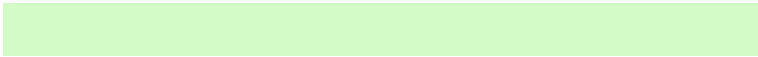
 73.9807, 0.2616,
0.4618

 73.9695, 0.2617,
0.4621

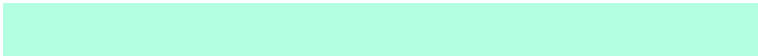
Harmonies

Analogous

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



86.5947, 0.3167, 0.3842



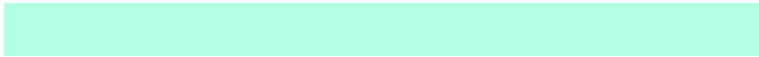
86.5947, 0.2840, 0.3612



86.5947, 0.2598, 0.3289

Triad

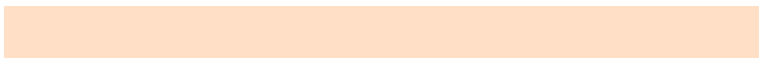
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5947, 0.2840, 0.3612



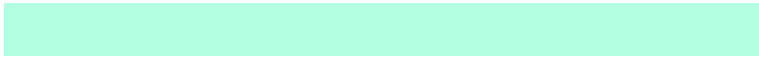
86.5947, 0.2748, 0.2733



86.5947, 0.3804, 0.3535

Complementary

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



86.5947, 0.2840, 0.3612



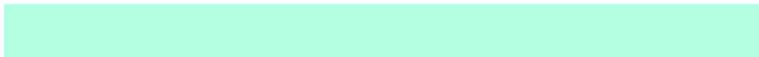
58.0850, 0.3542, 0.2991

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.



86.5947, 0.3682, 0.3254



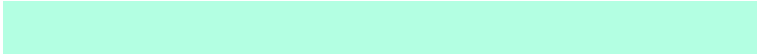
86.5947, 0.2840, 0.3612



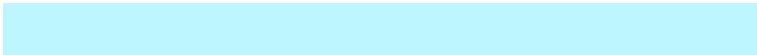
86.5947, 0.3057, 0.2808

Square

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



86.5947, 0.2840, 0.3612



86.5947, 0.2547, 0.2792



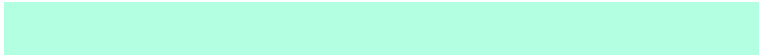
86.5947, 0.3403, 0.2995



86.5947, 0.3733, 0.3773

Rectangle

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



86.5947, 0.2840, 0.3612



86.5947, 0.2511, 0.3079



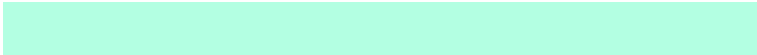
86.5947, 0.3403, 0.2995



86.5947, 0.3785, 0.3443

Sweetspot

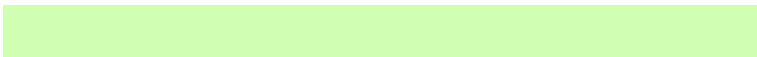
The Sweet Spot groups the original color and five complimentary colors.



86.5983, 0.2840, 0.3612



95.3521, 0.3036, 0.3377



88.2091, 0.3266, 0.4118



20.2591, 0.3022, 0.3392



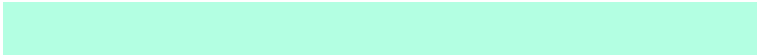
0.0000, 0.0000, 0.0000



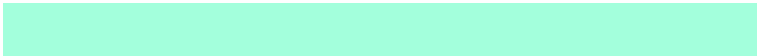
21.4041, 0.3127, 0.3290

Same Dimension

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



86.5983, 0.2840, 0.3612



84.4906, 0.2788, 0.3691



82.8062, 0.2685, 0.3193



20.3569, 0.3031, 0.3382



38.6826, 0.2610, 0.4597



3.7877, 0.2564, 0.4431

Inverse Universe

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



58.0850, 0.3542, 0.2991



51.6158, 0.3663, 0.2927



60.4516, 0.3771, 0.3385



18.1020, 0.3234, 0.3199



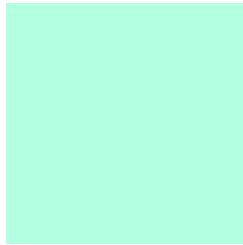
11.5910, 0.5456, 0.2779



1.1491, 0.5149, 0.2610

Previews

White Background



This preview shows how the Yxy color 86.5947, 0.2840, 0.3612 looks on a white background.

Color Contrast Check

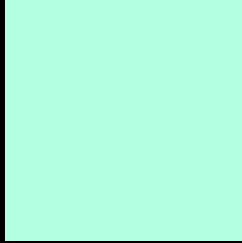
Large Text (above 18pt) WCAG AA × Fail

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 86.5947, 0.2840, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

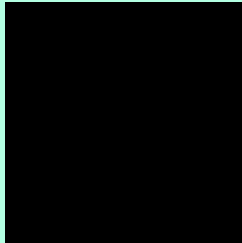
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5947, 0.2840, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 86.5947, 0.2840, 0.3612.

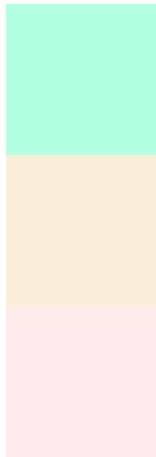


This preview shows how white text looks on a background with the Yxy color 86.5947, 0.2840, 0.3612.

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

86.5947, 0.2840, 0.3612

Protanopia

86.1153, 0.3327, 0.3502

Deuteranopia

86.0462, 0.3270, 0.3290



Tritanopia

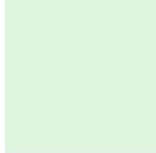
86.2175, 0.2878, 0.3176

Trichromacy



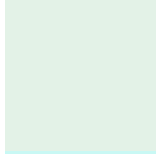
Original Color

86.5947, 0.2840, 0.3612



Protanomaly

85.5566, 0.3135, 0.3543



Deuteranomaly

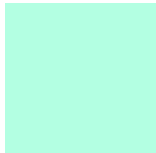
85.6047, 0.3096, 0.3404



Tritanomaly

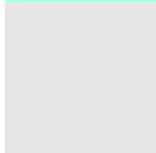
86.0840, 0.2863, 0.3332

Monochromacy



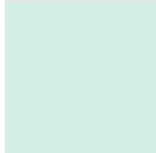
Original Color

86.5947, 0.2840, 0.3612



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5994, 0.3011, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5947, 0.2840, 0.3612 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 86.5947, 0.2840, 0.3612 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, 226) }
```

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

```
.border{ border-color:rgb(179, 255, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5947, 0.2840, 0.3612 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, 226) }
```

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

```
.background{ background-color: rgb(179,  
255, 226) }
```

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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