

Converting Colors

$Yxy(86.3599, 0.2895, 0.3711)$

Have a look what the booklet for
Yxy(86.3599, 0.2895, 0.3711)
contains.

Yxy(86.3535, 0.2897, 0.3715)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.3535, 0.2897, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFD9
RGB	181, 255, 217
RGB Percent	71%, 100%, 85%
CMY	0.2902, 0.0000, 0.1491
CMYK	0.29, 0.00, 0.15, 0.00
HSL	149°, 100%, 85%
HSV	149°, 29%, 100%
XYZ	67.3395, 86.3535, 78.7525
YIQ	228.5420, -31.9060, -27.5060

Conversions

Conversions Part 2

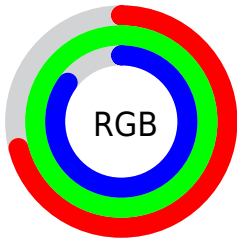
Format	Color
RYB	181, 231, 255
Decimal	11927513
CIELab	94.46, -30.40, 10.93
CIElCh	94, 32.300, 160.228
Yxy	86.3535, 0.2897, 0.3715
Android (android.graphics.Color)	4290117593 (0xFFB5FFD9)
YUV	228.5420, -5.6902, -41.6943
Hunter-Lab	92.9266, -33.2711, 14.8021

Details

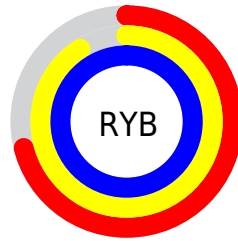
The Yxy color **86.3535, 0.2897, 0.3715** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.4262, 0.3446, 0.2902**, and the grayscale version is **78.0604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **47.4324, 0.2843, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **82.8929, 0.2829, 0.3891**, and if you desaturate by 10%, it is **90.4325, 0.2973, 0.3554**.

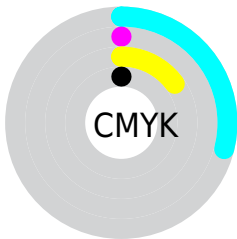
Distribution



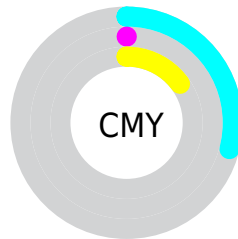
- Red (71%)
- Green (100%)
- Blue (85%)



- Red (71%)
- Yellow (91%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3535, 0.2897, 0.3715 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 86.3535, 0.2897, 0.3715 by changing the saturation by 10% instead.


 86.3535, 0.2897,
0.3715

 86.3535, 0.2897,
0.3715

516.0961, 0.3003,
0.3518

 64.9603, 0.2873,
0.3760


 142.2627, 0.2934,
0.3647

 47.4289, 0.2843,
0.3816


177.5475, 0.2948,
0.3620

 33.3749, 0.2805,
0.3886


218.2316, 0.2960,
0.3597

 22.4138, 0.2756,
0.3979

264.6995, 0.2971,
0.3577

 14.1612, 0.2689,
0.4105

317.3355, 0.2981,
0.3560

 8.2329, 0.2594,
0.4286

376.5240, 0.2989,

 4.2443, 0.2445,

0.3544

0.4570

442.6494, 0.2997,
0.3530

1.8112, 0.2184,
0.5072

0.4941, 0.0000,
1.0000

86.3535, 0.2897,
0.3715

86.3535, 0.2897,
0.3715

82.8929, 0.2829,
0.3891

90.4325, 0.2973,
0.3554

80.0184, 0.2771,
0.4080


95.1593, 0.3053,
0.3408


77.6951, 0.2728,
0.4279


100.0000, 0.3127,
0.3290

75.8839, 0.2702,
0.4483

 74.5407, 0.2696,
0.4687

 73.6129, 0.2711,
0.4884

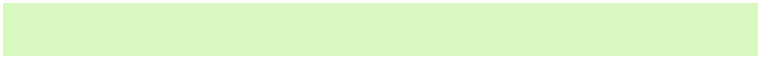
 73.0239, 0.2743,
0.5070

 72.9750, 0.2746,
0.5087

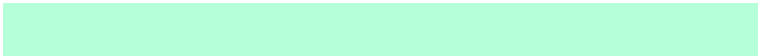
Harmonies

Analogous

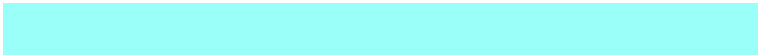
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3535, 0.3260, 0.3923



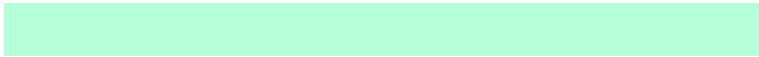
86.3535, 0.2897, 0.3715



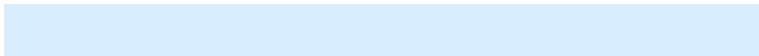
86.3535, 0.2608, 0.3375

Triad

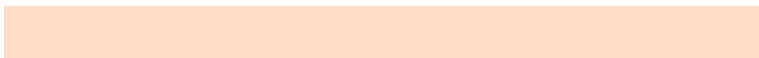
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3535, 0.2897, 0.3715



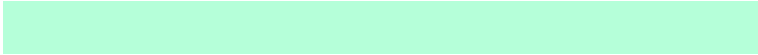
86.3535, 0.2652, 0.2692



86.3535, 0.3847, 0.3479

Complementary

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



86.3535, 0.2897, 0.3715



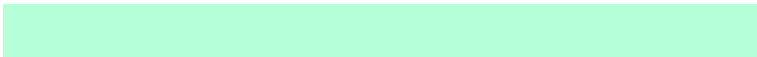
59.4262, 0.3446, 0.2902

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.



86.3535, 0.3666, 0.3177



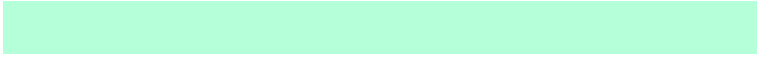
86.3535, 0.2897, 0.3715



86.3535, 0.2962, 0.2740

Square

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



86.3535, 0.2897, 0.3715



86.3535, 0.2473, 0.2790



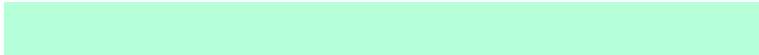
86.3535, 0.3335, 0.2914



86.3535, 0.3820, 0.3754

Rectangle

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



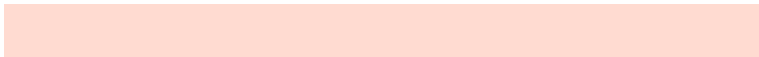
86.3535, 0.2897, 0.3715



86.3535, 0.2489, 0.3140



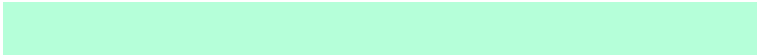
86.3535, 0.3335, 0.2914



86.3535, 0.3809, 0.3378

Sweetspot

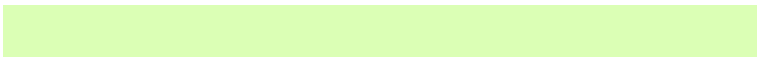
The Sweet Spot groups the original color and five complimentary colors.



86.3536, 0.2897, 0.3715



95.1679, 0.3053, 0.3408



89.9533, 0.3327, 0.4079



20.2137, 0.3041, 0.3428



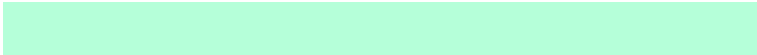
0.0000, 0.0000, 0.0000



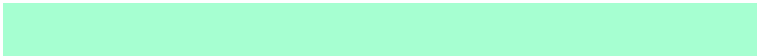
21.4041, 0.3127, 0.3290

Same Dimension

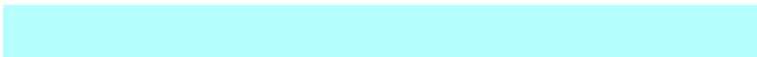
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3536, 0.2897, 0.3715



84.2107, 0.2855, 0.3819



88.4854, 0.2712, 0.3302



20.3154, 0.3049, 0.3415



38.1609, 0.2738, 0.5058



3.7376, 0.2679, 0.4846

Inverse Universe

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



59.4262, 0.3446, 0.2902



53.1751, 0.3534, 0.2819



57.6979, 0.3764, 0.3279



18.1429, 0.3213, 0.3169



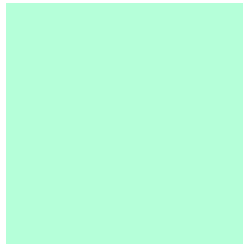
11.9955, 0.4906, 0.2476



1.1901, 0.4659, 0.2340

Previews

White Background



This preview shows how the Yxy color 86.3535, 0.2897, 0.3715 looks on a white background.

Color Contrast Check

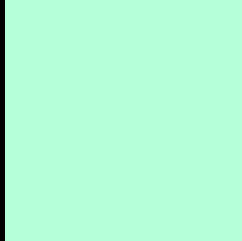
Large Text (above 18pt) WCAG AA × Fail

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 86.3535, 0.2897, 0.3715 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

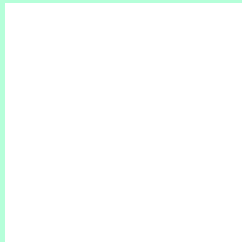
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3535, 0.2897, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 86.3535, 0.2897, 0.3715.

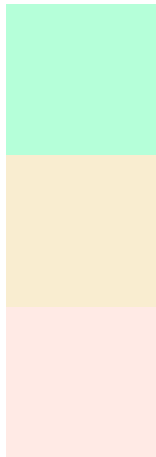


This preview shows how white text looks on a background with the Yxy color 86.3535, 0.2897, 0.3715.

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

86.3535, 0.2897, 0.3715

Protanopia

85.2622, 0.3394, 0.3584

Deuteranopia

85.7628, 0.3303, 0.3340



Tritanopia

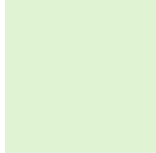
86.2175, 0.2878, 0.3176

Trichromacy



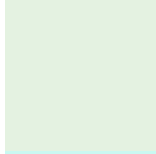
Original Color

86.3535, 0.2897, 0.3715



Protanomaly

85.2518, 0.3195, 0.3640



Deuteranomaly

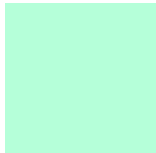
85.4345, 0.3138, 0.3467



Tritanomaly

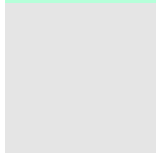
86.0422, 0.2885, 0.3364

Monochromacy



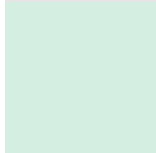
Original Color

86.3535, 0.2897, 0.3715



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5824, 0.3036, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3535, 0.2897, 0.3715 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(181, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 217)  
}
```

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(181, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 86.3535, 0.2897, 0.3715 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(181, 255, 217) }
```

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

```
.border{ border-color:rgb(181, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3535, 0.2897, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 217) }
```

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

```
.background{ background-color: rgb(181,  
255, 217) }
```

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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