

Converting Colors

$Yxy(86.6283, 0.2846, 0.3620)$

Have a look what the booklet for
Yxy(86.6283, 0.2846, 0.3620)
contains.

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Color

Yxy(86.6595, 0.2850, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	B4FFE1
RGB	180, 255, 225
RGB Percent	71%, 100%, 88%
CMY	0.2942, 0.0000, 0.1177
CMYK	0.29, 0.00, 0.12, 0.00
HSL	156°, 100%, 85%
HSV	156°, 29%, 100%
XYZ	68.1699, 86.6595, 84.3633
YIQ	229.1550, -35.0700, -25.2300

Conversions

Conversions Part 2

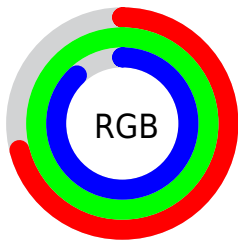
Format	Color
RYB	180, 227, 255
Decimal	11861985
CIELab	94.59, -29.13, 6.98
CIElCh	95, 29.959, 166.517
Yxy	86.6595, 0.2850, 0.3623
Android (android.graphics.Color)	4290052065 (0xFFB4FFE1)
YUV	229.1550, -2.0484, -43.1089
Hunter-Lab	93.0911, -32.1952, 11.4325

Details

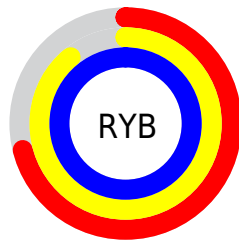
The Yxy color **86.6595, 0.2850, 0.3623** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.5509, 0.3524, 0.2982**, and the grayscale version is **78.5057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **47.6504, 0.2786, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **83.3339, 0.2770, 0.3758**, and if you desaturate by 10%, it is **90.5782, 0.2939, 0.3499**.

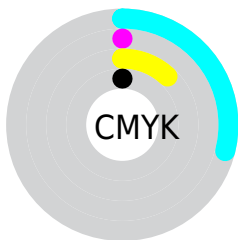
Distribution



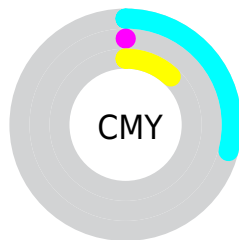
- Red (71%)
- Green (100%)
- Blue (88%)



- Red (71%)
- Yellow (89%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6595, 0.2850, 0.3623 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 86.6595, 0.2850, 0.3623 by changing the saturation by 10% instead.


 86.6595, 0.2850,
0.3623

 86.6595, 0.2850,
0.3623


517.1033, 0.2976,
0.3470

 65.2135, 0.2822,
0.3658


 142.6894, 0.2893,
0.3570

 47.6342, 0.2787,
0.3700


178.0421, 0.2910,
0.3550

 33.5373, 0.2744,
0.3754


218.7992, 0.2925,
0.3532

 22.5384, 0.2688,
0.3825

265.3450, 0.2938,
0.3516

 14.2530, 0.2613,
0.3920

318.0639, 0.2949,
0.3503

 8.2968, 0.2507,
0.4055

377.3403, 0.2959,

 4.2855, 0.2347,

0.3491

0.4265

443.5587, 0.2968,
0.3480

1.8345, 0.2080,
0.4629

0.5085, 0.0000,
0.8861

86.6595, 0.2850,
0.3623

86.6595, 0.2850,
0.3623

83.3339, 0.2770,
0.3758

90.5782, 0.2939,
0.3499

80.5745, 0.2702,
0.3902

95.1238, 0.3034,
0.3386

78.3454, 0.2649,
0.4054

100.0000, 0.3127,
0.3290

76.6081, 0.2615,
0.4211

■ 75.3189, 0.2601,
0.4369

■ 74.4258, 0.2608,
0.4526

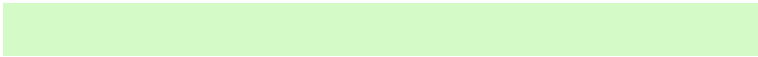
■ 73.8492, 0.2633,
0.4677

■ 73.8198, 0.2635,
0.4686

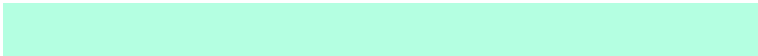
Harmonies

Analogous

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



86.6595, 0.3180, 0.3848



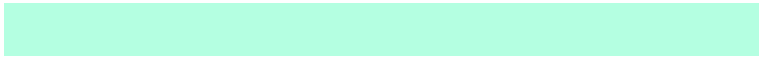
86.6595, 0.2850, 0.3623



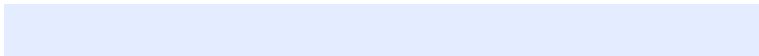
86.6595, 0.2603, 0.3300

Triad

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



86.6595, 0.2850, 0.3623



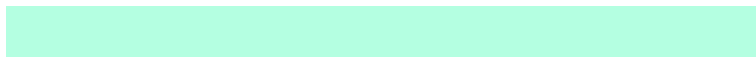
86.6595, 0.2738, 0.2731



86.6595, 0.3805, 0.3525

Complementary

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



86.6595, 0.2850, 0.3623



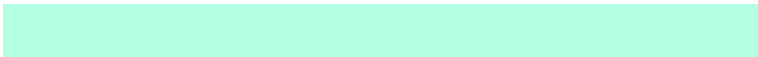
58.5509, 0.3524, 0.2982

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.



86.6595, 0.3675, 0.3244



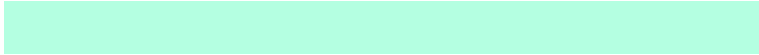
86.6595, 0.2850, 0.3623



86.6595, 0.3045, 0.2803

Square

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



86.6595, 0.2850, 0.3623



86.6595, 0.2542, 0.2795



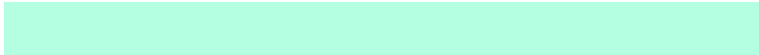
86.6595, 0.3391, 0.2986



86.6595, 0.3740, 0.3766

Rectangle

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



86.6595, 0.2850, 0.3623



86.6595, 0.2513, 0.3089



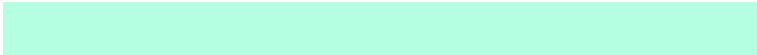
86.6595, 0.3391, 0.2986



86.6595, 0.3783, 0.3433

Sweetspot

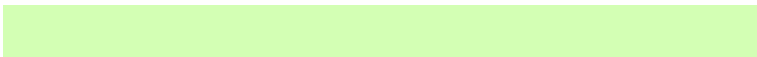
The Sweet Spot groups the original color and five complimentary colors.



86.6580, 0.2850, 0.3623



95.3269, 0.3039, 0.3381



88.6997, 0.3281, 0.4103



20.2529, 0.3024, 0.3397



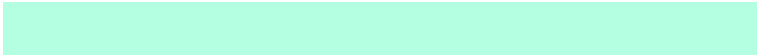
0.0000, 0.0000, 0.0000



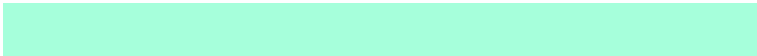
21.4041, 0.3127, 0.3290

Same Dimension

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



86.6580, 0.2850, 0.3623



84.7303, 0.2804, 0.3697



84.5183, 0.2693, 0.3221



20.3512, 0.3034, 0.3387



38.6028, 0.2628, 0.4661



3.7802, 0.2580, 0.4488

Inverse Universe

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



58.5509, 0.3524, 0.2982



52.6799, 0.3627, 0.2921



59.7738, 0.3768, 0.3357



18.1075, 0.3231, 0.3195



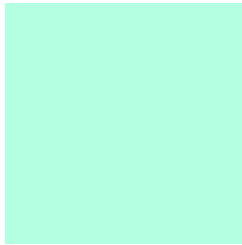
11.6376, 0.5384, 0.2740



1.1540, 0.5083, 0.2574

Previews

White Background



This preview shows how the Yxy color 86.6595, 0.2850, 0.3623 looks on a white background.

Color Contrast Check

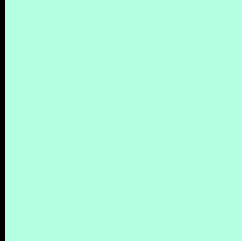
Large Text (above 18pt) WCAG AA × Fail

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 86.6595, 0.2850, 0.3623 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

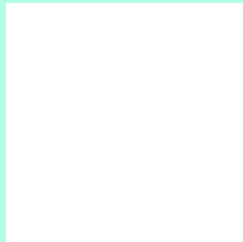
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6595, 0.2850, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 86.6595, 0.2850, 0.3623.

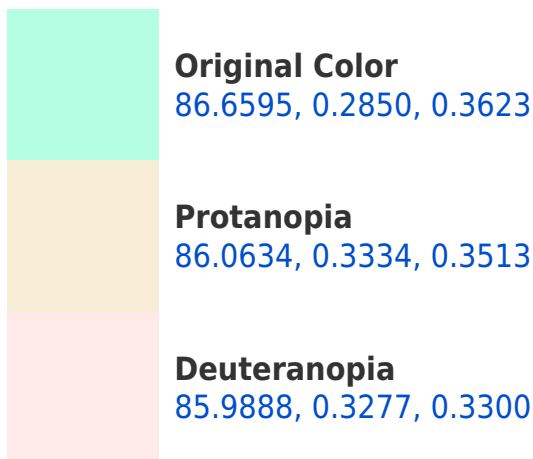


This preview shows how white text looks on a background with the Yxy color 86.6595, 0.2850, 0.3623.

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





Tritanopia

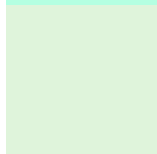
86.2175, 0.2878, 0.3176

Trichromacy



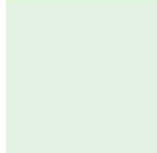
Original Color

86.6595, 0.2850, 0.3623



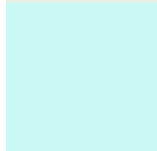
Protanomaly

85.5038, 0.3141, 0.3554



Deuteranomaly

85.7114, 0.3108, 0.3414



Tritanomaly

86.2230, 0.2869, 0.3332

Monochromacy



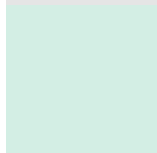
Original Color

86.6595, 0.2850, 0.3623



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 86.6595, 0.2850, 0.3623 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(180, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 225)  
}
```

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(180, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 225) }
```

Border

The CSS property to change the border of an element to Yxy 86.6595, 0.2850, 0.3623 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(180, 255, 225) }
```

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

```
.border{ border-color:rgb(180, 255, 225) }
```

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

Here you see how a box with a 4 pixel rgb(180, 255, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6595, 0.2850, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 225) }
```

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

```
.background{ background-color: rgb(180,  
255, 225) }
```

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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