

Converting Colors

$Yxy(86.1106, 0.2878, 0.3704)$

Have a look what the booklet for
Yxy(86.1106, 0.2878, 0.3704)
contains.

Yxy(86.1657, 0.2881, 0.3704)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.1657, 0.2881, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFDA
RGB	179, 255, 218
RGB Percent	70%, 100%, 85%
CMY	0.2977, 0.0000, 0.1450
CMYK	0.30, 0.00, 0.14, 0.00
HSL	151°, 100%, 85%
HSV	151°, 30%, 100%
XYZ	67.0204, 86.1657, 79.4427
YIQ	228.0580, -33.4190, -27.6190

Conversions

Conversions Part 2

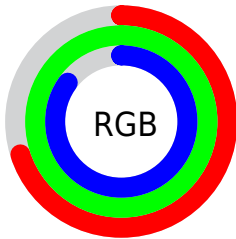
Format	Color
RYB	179, 229, 255
Decimal	11796442
CIELab	94.38, -30.76, 10.27
CIELCh	94, 32.424, 161.543
Yxy	86.1657, 0.2881, 0.3704
Android (android.graphics.Color)	4289986522 (0xFFB3FFDA)
YUV	228.0580, -4.9586, -43.0239
Hunter-Lab	92.8255, -33.5669, 14.2357

Details

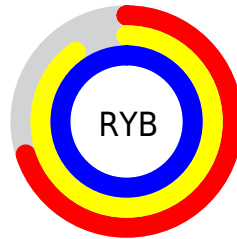
The Yxy color **86.1657, 0.2881, 0.3704** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.4895, 0.3473, 0.2912**, and the grayscale version is **77.6972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **47.3176, 0.2824, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **82.7790, 0.2810, 0.3871**, and if you desaturate by 10%, it is **90.1701, 0.2960, 0.3551**.

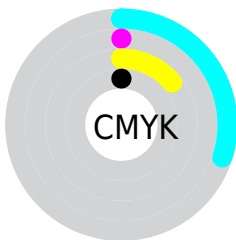
Distribution



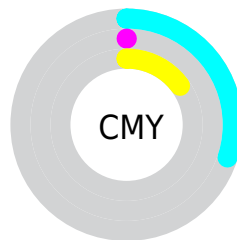
- Red (70%)
- Green (100%)
- Blue (85%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1657, 0.2881, 0.3704 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 86.1657, 0.2881, 0.3704 by changing the saturation by 10% instead.


 86.1657, 0.2881,
0.3704

 86.1657, 0.2881,
0.3704


515.4774, 0.2994,
0.3512

 64.8050, 0.2855,
0.3748

 142.0007, 0.2920,
0.3637

 47.3030, 0.2824,
0.3802


177.2438, 0.2935,
0.3612

 33.2752, 0.2784,
0.3871


217.8831, 0.2949,
0.3589

 22.3374, 0.2732,
0.3960

264.3031, 0.2960,
0.3570

 14.1050, 0.2661,
0.4083

316.8881, 0.2970,
0.3553

 8.1937, 0.2560,
0.4259

376.0226, 0.2979,

 4.2192, 0.2405,

0.3538

442.0909, 0.2987,
0.3524

0.4535

1.7969, 0.2132,
0.5024

0.4852, 0.0000,
1.0000

86.1657, 0.2881,
0.3704

86.1657, 0.2881,
0.3704

82.7790, 0.2810,
0.3871

90.1701, 0.2960,
0.3551


79.9672, 0.2751,
0.4051

94.8111, 0.3043,
0.3412

77.6988, 0.2707,
0.4239


99.9932, 0.3127,
0.3290

75.9347, 0.2681,
0.4432

 74.6303, 0.2674,
0.4626

 73.7328, 0.2689,
0.4814

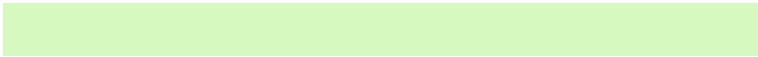
 73.1584, 0.2720,
0.4992

 73.1469, 0.2721,
0.4996

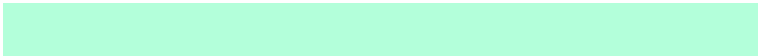
Harmonies

Analogous

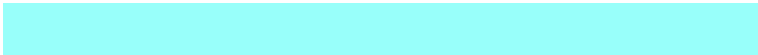
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1657, 0.3244, 0.3921



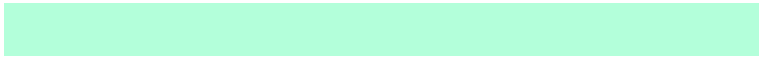
86.1657, 0.2881, 0.3704



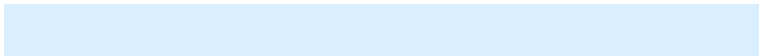
86.1657, 0.2595, 0.3360

Triad

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



86.1657, 0.2881, 0.3704



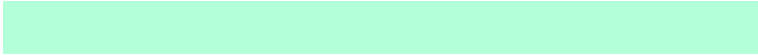
86.1657, 0.2661, 0.2688



86.1657, 0.3854, 0.3492

Complementary

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



86.1657, 0.2881, 0.3704



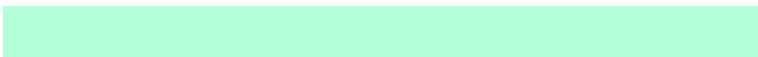
58.4895, 0.3473, 0.2912

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.



86.1657, 0.3680, 0.3190



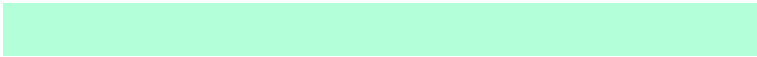
86.1657, 0.2881, 0.3704



86.1657, 0.2977, 0.2743

Square

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



86.1657, 0.2881, 0.3704



86.1657, 0.2475, 0.2780



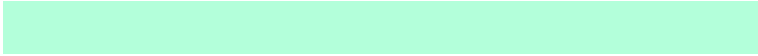
86.1657, 0.3352, 0.2923



86.1657, 0.3817, 0.3766

Rectangle

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



86.1657, 0.2881, 0.3704



86.1657, 0.2481, 0.3124



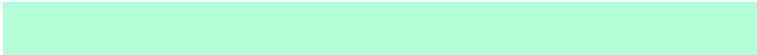
86.1657, 0.3352, 0.2923



86.1657, 0.3818, 0.3391

Sweetspot

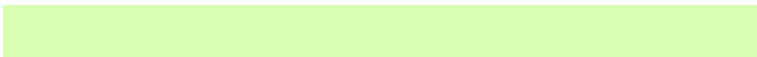
The Sweet Spot groups the original color and five complimentary colors.



86.1693, 0.2881, 0.3704



95.2051, 0.3050, 0.3402



89.5278, 0.3324, 0.4103



20.2229, 0.3037, 0.3421



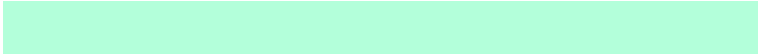
0.0000, 0.0000, 0.0000



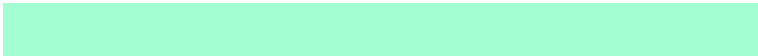
21.4041, 0.3127, 0.3290

Same Dimension

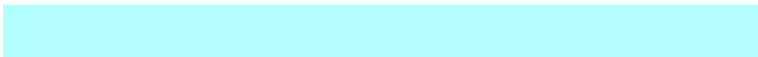
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1693, 0.2881, 0.3704



83.9955, 0.2836, 0.3807



88.3255, 0.2696, 0.3289



20.3238, 0.3045, 0.3408



38.2548, 0.2713, 0.4967



3.7468, 0.2656, 0.4763

Inverse Universe

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



58.4895, 0.3473, 0.2912



52.0748, 0.3573, 0.2830



56.7871, 0.3798, 0.3292



18.1345, 0.3217, 0.3175



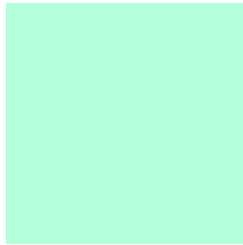
11.9015, 0.5020, 0.2539



1.1808, 0.4758, 0.2395

Previews

White Background



This preview shows how the Yxy color 86.1657, 0.2881, 0.3704 looks on a white background.

Color Contrast Check

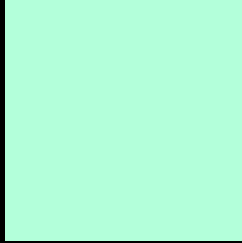
Large Text (above 18pt) WCAG AA × Fail

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 86.1657, 0.2881, 0.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

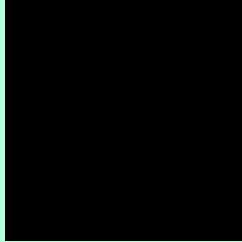
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1657, 0.2881, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 86.1657, 0.2881, 0.3704.

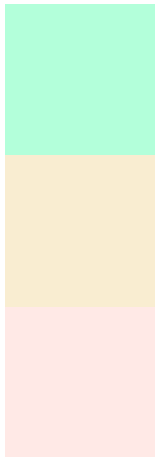


This preview shows how white text looks on a background with the Yxy color 86.1657, 0.2881, 0.3704.

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

86.1657, 0.2881, 0.3704

Protanopia

85.3116, 0.3388, 0.3574

Deuteranopia

85.2510, 0.3297, 0.3320



Tritanopia

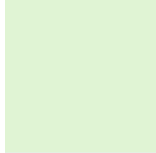
86.0675, 0.2872, 0.3176

Trichromacy



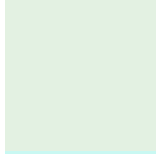
Original Color

86.1657, 0.2881, 0.3704



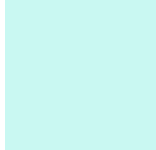
Protanomaly

85.3021, 0.3189, 0.3629



Deuteranomaly

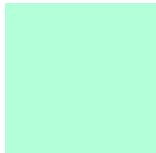
84.7325, 0.3126, 0.3447



Tritanomaly

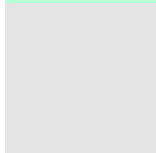
85.9631, 0.2874, 0.3353

Monochromacy



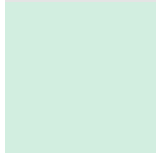
Original Color

86.1657, 0.2881, 0.3704



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 86.1657, 0.2881, 0.3704 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 86.1657, 0.2881, 0.3704 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, 218) }
```

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

```
.border{ border-color:rgb(179, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1657, 0.2881, 0.3704 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, 218) }
```

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

```
.background{ background-color: rgb(179,  
255, 218) }
```

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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