

Converting Colors

$Yxy(85.8226, 0.2906, 0.3768)$

Have a look what the booklet for
Yxy(85.8226, 0.2906, 0.3768)
contains.

Yxy(85.7891, 0.2901, 0.3764)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.7891, 0.2901, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFD5
RGB	178, 255, 213
RGB Percent	70%, 100%, 84%
CMY	0.3022, 0.0000, 0.1648
CMYK	0.30, 0.00, 0.16, 0.00
HSL	147°, 100%, 85%
HSV	147°, 30%, 100%
XYZ	66.1196, 85.7891, 76.0113
YIQ	227.1890, -32.4100, -29.3860

Conversions

Conversions Part 2

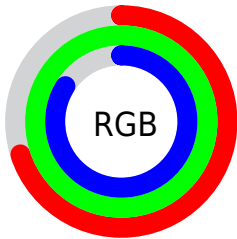
Format	Color
RYB	178, 231, 255
Decimal	11730901
CIELab	94.22, -32.06, 12.62
CIELCh	94, 34.458, 158.519
Yxy	85.7891, 0.2901, 0.3764
Android (android.graphics.Color)	4289920981 (0xFFB2FFD5)
YUV	227.1890, -6.9952, -43.1388
Hunter-Lab	92.6224, -34.6649, 16.1789

Details

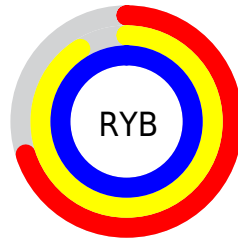
The Yxy color **85.7891, 0.2901, 0.3764** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.2470, 0.3442, 0.2862**, and the grayscale version is **77.0167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.0677, 0.2849, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **82.3660, 0.2837, 0.3953**, and if you desaturate by 10%, it is **89.8198, 0.2972, 0.3590**.

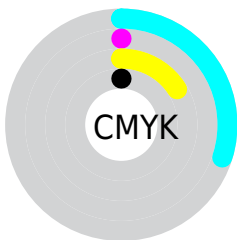
Distribution



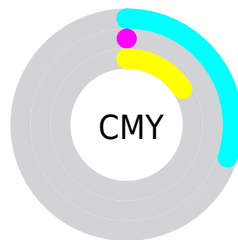
- Red (70%)
- Green (100%)
- Blue (84%)



- Red (70%)
- Yellow (91%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7891, 0.2901, 0.3764 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 85.7891, 0.2901, 0.3764 by changing the saturation by 10% instead.


 85.7891, 0.2901,
0.3764

 85.7891, 0.2901,
0.3764

514.2355, 0.3006,
0.3543

 64.4936, 0.2877,
0.3815


 141.4751, 0.2938,
0.3687

 47.0506, 0.2847,
0.3877

176.6345, 0.2952,
0.3657

 33.0756, 0.2809,
0.3957


217.1839, 0.2964,
0.3632

 22.1844, 0.2759,
0.4062

263.5077, 0.2975,
0.3609

 13.9925, 0.2691,
0.4205

315.9904, 0.2984,
0.3590

 8.1154, 0.2593,
0.4412

375.0163, 0.2992,

 4.1689, 0.2438,

0.3573

0.4738

440.9699, 0.3000,
0.3557

■ 1.7685, 0.2153,
0.5336

■ 0.4674, 0.0000,
1.0000

■ 85.7891, 0.2901,
0.3764

■ 85.7891, 0.2901,
0.3764

■ 82.3660, 0.2837,
0.3953

■ 89.8198, 0.2972,
0.3590

■ 79.5382, 0.2784,
0.4157

■ 94.5086, 0.3048,
0.3433

■ 77.2631, 0.2746,
0.4369

■ 99.8768, 0.3125,
0.3293

■ 75.5010, 0.2725,
0.4586

■ 100.0000, 0.3127,
0.3290

■ 74.2065, 0.2723,
0.4801

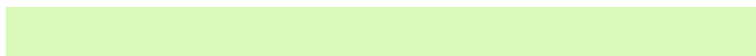
■ 73.3255, 0.2742,
0.5006

■ 72.7795, 0.2775,
0.5192

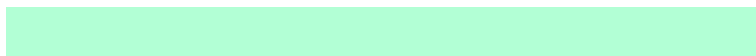
Harmonies

Analogous

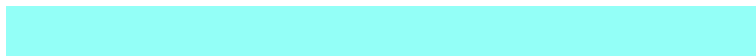
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7891, 0.3289, 0.3975



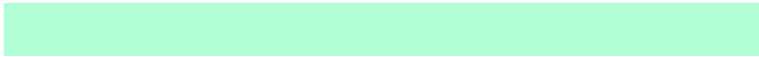
85.7891, 0.2901, 0.3764



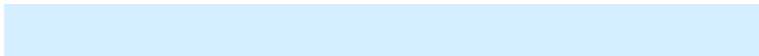
85.7891, 0.2587, 0.3402

Triad

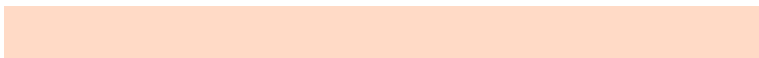
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7891, 0.2901, 0.3764



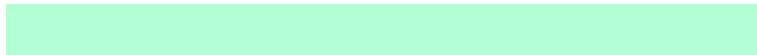
85.7891, 0.2605, 0.2654



85.7891, 0.3892, 0.3470

Complementary

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



85.7891, 0.2901, 0.3764



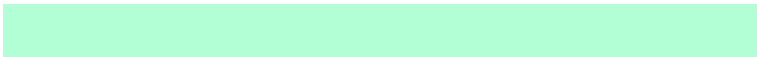
58.2470, 0.3442, 0.2862

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.



85.7891, 0.3687, 0.3151



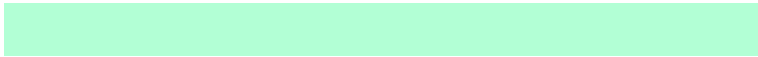
85.7891, 0.2901, 0.3764



85.7891, 0.2928, 0.2698

Square

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



85.7891, 0.2901, 0.3764



85.7891, 0.2425, 0.2766



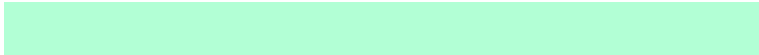
85.7891, 0.3326, 0.2876



85.7891, 0.3875, 0.3768

Rectangle

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



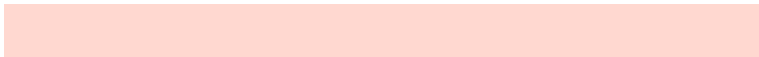
85.7891, 0.2901, 0.3764



85.7891, 0.2456, 0.3148



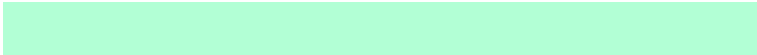
85.7891, 0.3326, 0.2876



85.7891, 0.3847, 0.3363

Sweetspot

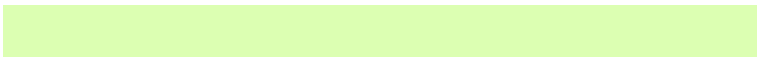
The Sweet Spot groups the original color and five complimentary colors.



85.7824, 0.2901, 0.3764



95.1241, 0.3057, 0.3415



89.9993, 0.3352, 0.4110



20.2030, 0.3046, 0.3437



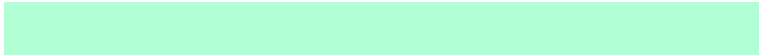
0.0000, 0.0000, 0.0000



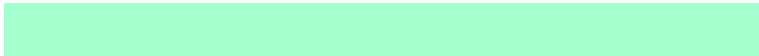
21.4041, 0.3127, 0.3290

Same Dimension

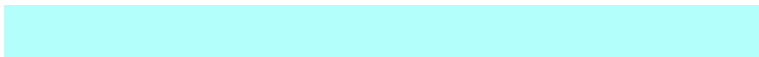
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7824, 0.2901, 0.3764



83.7324, 0.2863, 0.3872



87.9535, 0.2709, 0.3330



20.3055, 0.3053, 0.3423



38.0581, 0.2767, 0.5161



3.7273, 0.2706, 0.4942

Inverse Universe

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



58.2470, 0.3442, 0.2862



52.3429, 0.3524, 0.2777



56.4506, 0.3777, 0.3252



18.1528, 0.3208, 0.3161



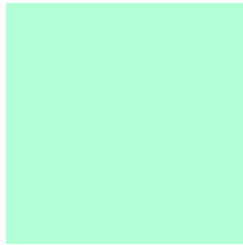
12.1143, 0.4772, 0.2403



1.2016, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 85.7891, 0.2901, 0.3764 looks on a white background.

Color Contrast Check

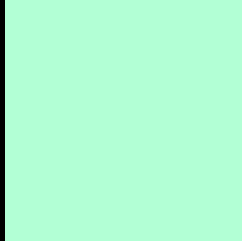
Large Text (above 18pt) WCAG AA × Fail

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 85.7891, 0.2901, 0.3764 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 85.7891, 0.2901, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 85.7891, 0.2901, 0.3764.

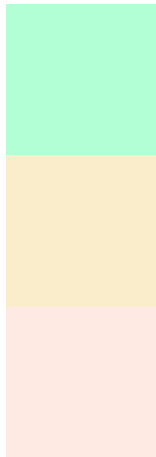


This preview shows how white text looks on a background with the Yxy color 85.7891, 0.2901, 0.3764.

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

85.7891, 0.2901, 0.3764

Protanopia

85.0677, 0.3420, 0.3626

Deuteranopia

85.0839, 0.3317, 0.3350



Tritanopia

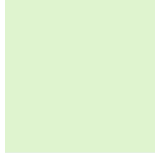
85.1701, 0.2860, 0.3165

Trichromacy



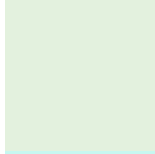
Original Color

85.7891, 0.2901, 0.3764



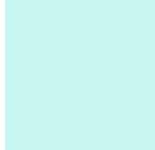
Protanomaly

84.8943, 0.3213, 0.3684



Deuteranomaly

84.5154, 0.3151, 0.3489



Tritanomaly

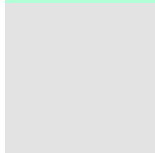
84.9549, 0.2873, 0.3364

Monochromacy



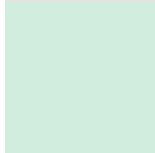
Original Color

85.7891, 0.2901, 0.3764



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3976, 0.3034, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7891, 0.2901, 0.3764 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(178, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 213)  
}
```

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(178, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 85.7891, 0.2901, 0.3764 is called "border". The border property can be set on classes, ids or directly on the HTML element.

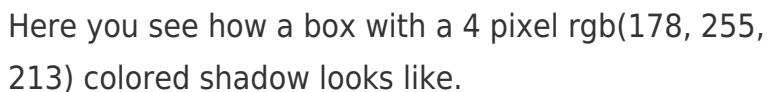
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 255, 213) }
```

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

```
.border{ border-color:rgb(178, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7891, 0.2901, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 213) }
```

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

```
.background{ background-color: rgb(178,  
255, 213) }
```

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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