

Converting Colors

$Yxy(93.4985, 0.2944, 0.3942)$

Have a look what the booklet for
Yxy(93.4985, 0.2944, 0.3942)
contains.

Yxy(85.7774, 0.2938, 0.3821)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.7774, 0.2938, 0.3821)

Conversions

Conversions Part 1

Format	Color
Hex	B4FFD0
RGB	180, 255, 208
RGB Percent	71%, 100%, 82%
CMY	0.2944, 0.0000, 0.1843
CMYK	0.29, 0.00, 0.18, 0.00
HSL	142°, 100%, 85%
HSV	142°, 29%, 100%
XYZ	65.9550, 85.7774, 72.7570
YIQ	227.2170, -29.6130, -30.5170

Conversions

Conversions Part 2

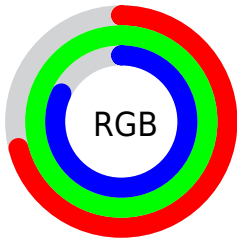
Format	Color
RYB	180, 235, 255
Decimal	11861968
CIELab	94.22, -32.41, 15.18
CIElCh	94, 35.789, 154.906
Yxy	85.7774, 0.2938, 0.3821
Android (android.graphics.Color)	4290052048 (0xFFB4FFD0)
YUV	227.2170, -9.4740, -41.4093
Hunter-Lab	92.6161, -34.9624, 18.2544

Details

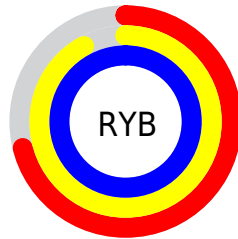
The Yxy color **85.7774, 0.2938, 0.3821** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.4149, 0.3382, 0.2814**, and the grayscale version is **77.0515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **47.0812, 0.2888, 0.3943** is the 20% darker color. If you saturate the color by 10%, you get **82.2397, 0.2882, 0.4039**, and if you desaturate by 10%, it is **89.9401, 0.3000, 0.3621**.

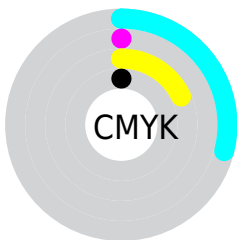
Distribution



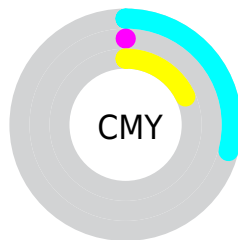
- Red (71%)
- Green (100%)
- Blue (82%)



- Red (71%)
- Yellow (92%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7774, 0.2938, 0.3821 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 85.7774, 0.2938, 0.3821 by changing the saturation by 10% instead.

 85.7774, 0.2938,
0.3821

 85.7774, 0.2938,
0.3821

514.1969, 0.3028,
0.3573

 64.4839, 0.2917,
0.3878


 141.4588, 0.2969,
0.3735

 47.0427, 0.2891,
0.3949

176.6155, 0.2982,
0.3701

 33.0694, 0.2858,
0.4039


217.1621, 0.2992,
0.3672

 22.1796, 0.2813,
0.4158

263.4830, 0.3001,
0.3647

 13.9890, 0.2752,
0.4320

315.9625, 0.3009,
0.3625

 8.1130, 0.2662,
0.4556

374.9851, 0.3016,

 4.1673, 0.2517,

0.3606

0.4927

440.9351, 0.3022,
0.3588

■ 1.7676, 0.2255,
0.5656

■ 0.4669, 0.0000,
1.0000

■ 85.7774, 0.2938,
0.3821

■ 85.7774, 0.2938,
0.3821

■ 82.2397, 0.2882,
0.4039

■ 89.9401, 0.3000,
0.3621

■ 79.3192, 0.2836,
0.4273

■ 94.7840, 0.3065,
0.3441

■ 76.9711, 0.2803,
0.4518

100.0000, 0.3127,
0.3290

■ 75.1550, 0.2786,
0.4765

■ 73.8250, 0.2787,
0.5005

■ 72.9270, 0.2807,
0.5228

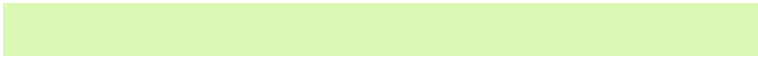
■ 72.3786, 0.2842,
0.5426

■ 72.3530, 0.2844,
0.5437

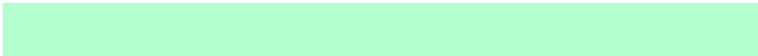
Harmonies

Analogous

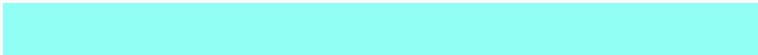
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7774, 0.3343, 0.4014



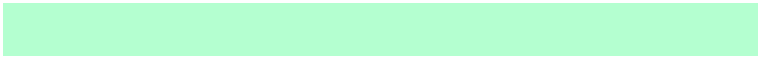
85.7774, 0.2938, 0.3821



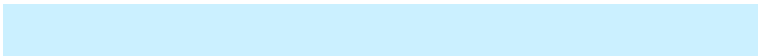
85.7774, 0.2599, 0.3455

Triad

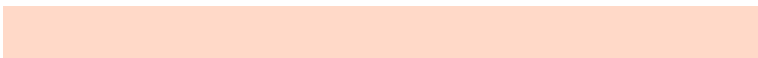
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7774, 0.2938, 0.3821



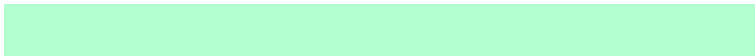
85.7774, 0.2555, 0.2636



85.7774, 0.3908, 0.3435

Complementary

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



85.7774, 0.2938, 0.3821



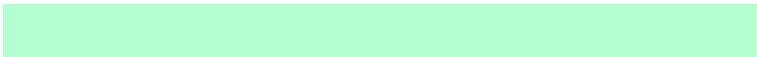
59.4149, 0.3382, 0.2814

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.



85.7774, 0.3670, 0.3108



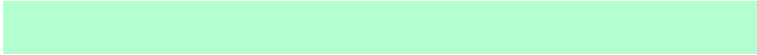
85.7774, 0.2938, 0.3821



85.7774, 0.2874, 0.2664

Square

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



85.7774, 0.2938, 0.3821



85.7774, 0.2389, 0.2771



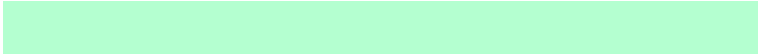
85.7774, 0.3282, 0.2833



85.7774, 0.3918, 0.3751

Rectangle

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



85.7774, 0.2938, 0.3821



85.7774, 0.2450, 0.3187



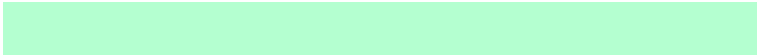
85.7774, 0.3282, 0.2833



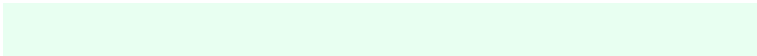
85.7774, 0.3852, 0.3324

Sweetspot

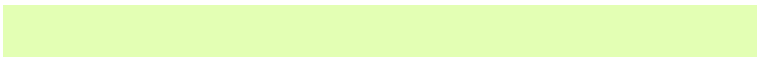
The Sweet Spot groups the original color and five complimentary colors.



85.7689, 0.2938, 0.3821



95.0132, 0.3068, 0.3434



91.2203, 0.3388, 0.4076



20.1757, 0.3058, 0.3459



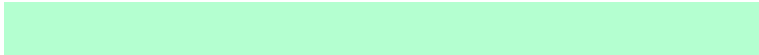
0.0000, 0.0000, 0.0000



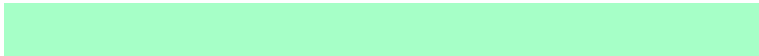
21.4041, 0.3127, 0.3290

Same Dimension

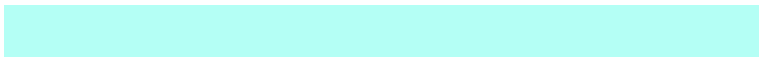
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7689, 0.2938, 0.3821



83.7296, 0.2906, 0.3940



87.8066, 0.2749, 0.3398



20.2805, 0.3064, 0.3442



37.8325, 0.2835, 0.5406



3.7040, 0.2772, 0.5178

Inverse Universe

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



59.4149, 0.3382, 0.2814



53.6952, 0.3445, 0.2722



57.5881, 0.3699, 0.3187



18.1784, 0.3196, 0.3142



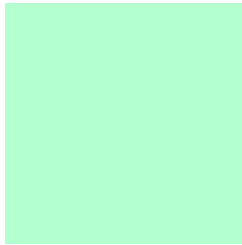
12.4581, 0.4438, 0.2219



1.2342, 0.4260, 0.2120

Previews

White Background



This preview shows how the Yxy color 85.7774, 0.2938, 0.3821 looks on a white background.

Color Contrast Check

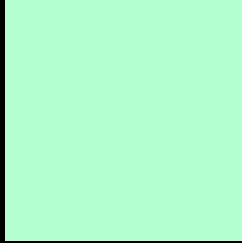
Large Text (above 18pt) WCAG AA × Fail

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 85.7774, 0.2938, 0.3821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

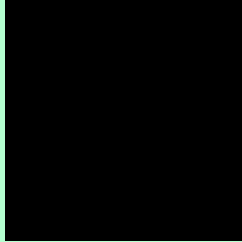
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

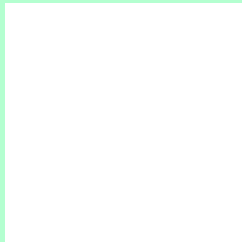
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7774, 0.2938, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 85.7774, 0.2938, 0.3821.

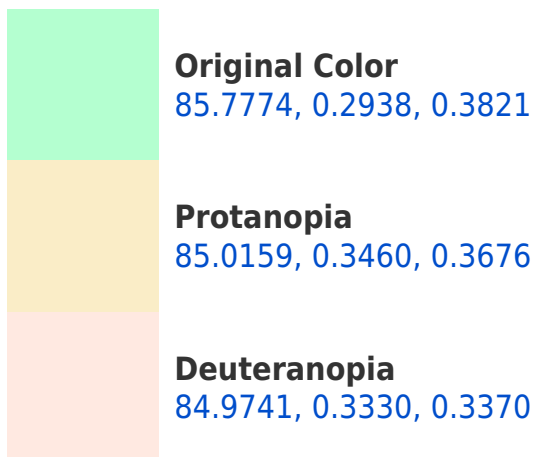


This preview shows how white text looks on a background with the Yxy color 85.7774, 0.2938, 0.3821.

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

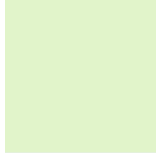
85.3182, 0.2866, 0.3165

Trichromacy



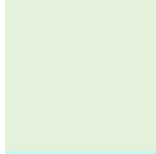
Original Color

85.7774, 0.2938, 0.3821



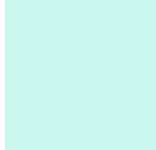
Protanomaly

84.9732, 0.3257, 0.3737



Deuteranomaly

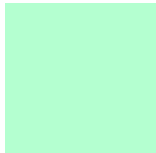
84.5190, 0.3176, 0.3521



Tritanomaly

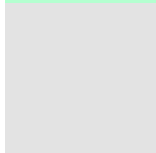
84.9739, 0.2889, 0.3386

Monochromacy



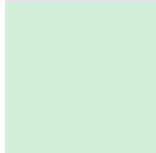
Original Color

85.7774, 0.2938, 0.3821



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4373, 0.3053, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7774, 0.2938, 0.3821 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 85.7774, 0.2938, 0.3821 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, 208) }
```

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

```
.border{ border-color:rgb(180, 255, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7774, 0.2938, 0.3821 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, 208) }
```

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

```
.background{ background-color: rgb(180,  
255, 208) }
```

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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