

Converting Colors

$Yxy(90.6201, 0.2944, 0.3655)$

Have a look what the booklet for
Yxy(90.6201, 0.2944, 0.3655)
contains.

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Color

Yxy(88.6376, 0.2945, 0.3626)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFE0
RGB	196, 255, 224
RGB Percent	77%, 100%, 88%
CMY	0.2311, 0.0000, 0.1216
CMYK	0.23, 0.00, 0.12, 0.00
HSL	148°, 100%, 88%
HSV	148°, 23%, 100%
XYZ	71.9905, 88.6376, 83.8219
YIQ	233.8250, -25.2130, -22.1490

Conversions

Conversions Part 2

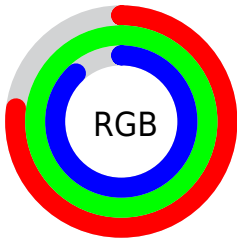
Format	Color
RYB	196, 236, 255
Decimal	12910560
CIELab	95.43, -24.52, 8.82
CIElCh	95, 26.060, 160.221
Yxy	88.6376, 0.2945, 0.3626
Android (android.graphics.Color)	4291100640 (0xFFC4FFE0)
YUV	233.8250, -4.8437, -33.1725
Hunter-Lab	94.1475, -28.2670, 13.1159

Details

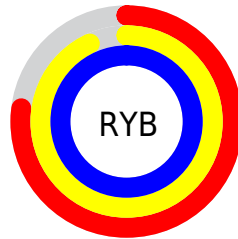
The Yxy color **88.6376, 0.2945, 0.3626** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.3204, 0.3361, 0.2977**, and the grayscale version is **82.2027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.9155, 0.2900, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **84.8063, 0.2873, 0.3798**, and if you desaturate by 10%, it is **93.1149, 0.3022, 0.3470**.

Distribution



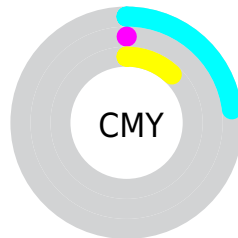
- Red (77%)
- Green (100%)
- Blue (88%)



- Red (77%)
- Yellow (93%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6376, 0.2945, 0.3626 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 88.6376, 0.2945, 0.3626 by changing the saturation by 10% instead.

 88.6376, 0.2945,
0.3626

 88.6376, 0.2945,
0.3626

523.5890, 0.3028,
0.3472

 66.8512, 0.2926,
0.3661

145.4445, 0.2974,
0.3573

 48.9637, 0.2903,
0.3704


181.2338, 0.2985,
0.3552

 34.5907, 0.2874,
0.3758


222.4596, 0.2995,
0.3534

 23.3478, 0.2837,
0.3828

269.5062, 0.3003,
0.3519

 14.8505, 0.2786,
0.3923

322.7581, 0.3010,
0.3505

 8.7145, 0.2714,
0.4059

382.5996, 0.3017,

 4.5555, 0.2604,

0.3493

0.4267

449.4151, 0.3023,
0.3482

■ 1.9889, 0.2416,
0.4627

■ 0.6010, 0.0000,
0.9408

■ 88.6376, 0.2945,
0.3626

■ 88.6376, 0.2945,
0.3626

■ 84.8063, 0.2873,
0.3798

■ 93.1149, 0.3022,
0.3470

■ 81.5793, 0.2810,
0.3984

■ 98.2557, 0.3102,
0.3330

■ 78.9269, 0.2760,
0.4183

■ 99.9953, 0.3127,
0.3290

■ 76.8126, 0.2724,
0.4390

■ 75.1953, 0.2707,
0.4600

■ 74.0278, 0.2710,
0.4806

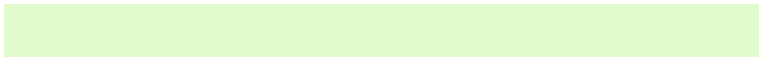
■ 73.2527, 0.2733,
0.5002

■ 72.8907, 0.2758,
0.5129

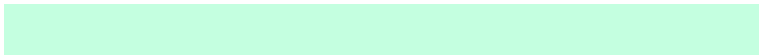
Harmonies

Analogous

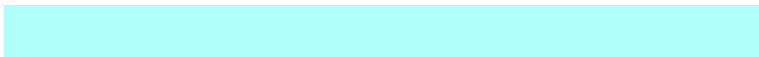
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6376, 0.3237, 0.3790



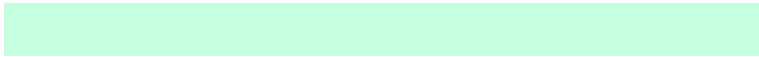
88.6376, 0.2945, 0.3626



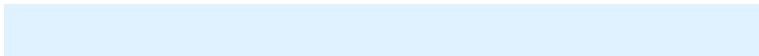
88.6376, 0.2709, 0.3361

Triad

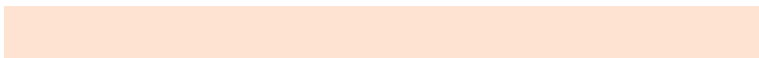
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6376, 0.2945, 0.3626



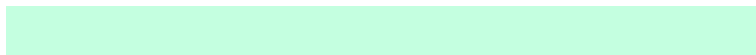
88.6376, 0.2745, 0.2806



88.6376, 0.3701, 0.3448

Complementary

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



88.6376, 0.2945, 0.3626



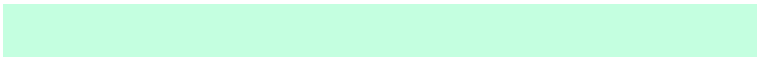
66.3204, 0.3361, 0.2977

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.



88.6376, 0.3557, 0.3202



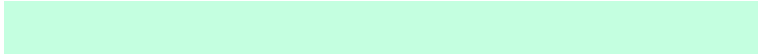
88.6376, 0.2945, 0.3626



88.6376, 0.2996, 0.2843

Square

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



88.6376, 0.2945, 0.3626



88.6376, 0.2598, 0.2890



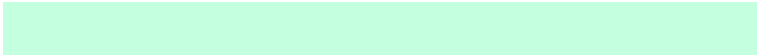
88.6376, 0.3295, 0.2986



88.6376, 0.3681, 0.3668

Rectangle

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



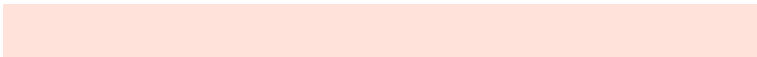
88.6376, 0.2945, 0.3626



88.6376, 0.2612, 0.3174



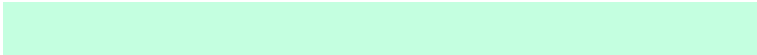
88.6376, 0.3295, 0.2986



88.6376, 0.3670, 0.3366

Sweetspot

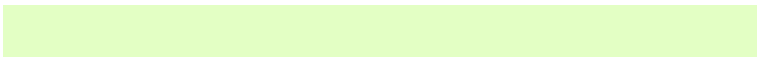
The Sweet Spot groups the original color and five complimentary colors.



88.6413, 0.2945, 0.3626



96.1800, 0.3071, 0.3383



91.9155, 0.3295, 0.3905



20.5194, 0.3066, 0.3391



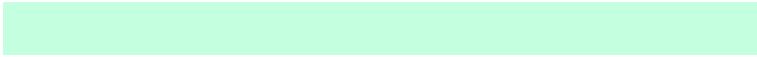
0.0000, 0.0000, 0.0000



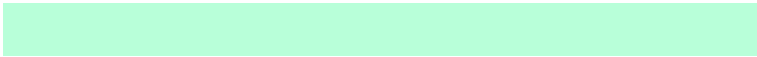
21.4041, 0.3127, 0.3290

Same Dimension

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



88.6413, 0.2945, 0.3626



86.6929, 0.2909, 0.3708



90.3541, 0.2794, 0.3310



20.3115, 0.3051, 0.3418



38.1192, 0.2750, 0.5099



3.7334, 0.2690, 0.4884

Inverse Universe

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



66.3204, 0.3361, 0.2977



60.6049, 0.3424, 0.2908



64.8488, 0.3591, 0.3271



18.1468, 0.3211, 0.3166



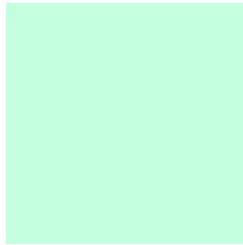
12.0416, 0.4853, 0.2447



1.1945, 0.4614, 0.2315

Previews

White Background



This preview shows how the Yxy color 88.6376, 0.2945, 0.3626 looks on a white background.

Color Contrast Check

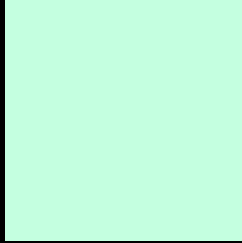
Large Text (above 18pt) WCAG AA × Fail

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 88.6376, 0.2945, 0.3626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

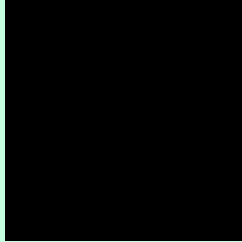
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

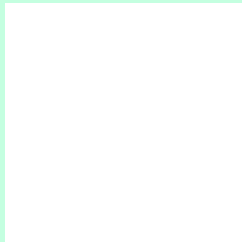
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6376, 0.2945, 0.3626

Background



This preview shows how black text looks on a background with the Yxy color 88.6376, 0.2945, 0.3626.

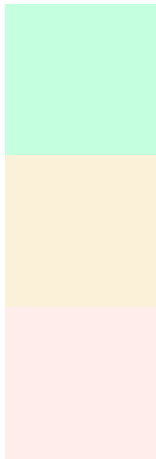


This preview shows how white text looks on a background with the Yxy color 88.6376, 0.2945, 0.3626.

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

88.6376, 0.2945, 0.3626

Protanopia

87.7873, 0.3352, 0.3531

Deuteranopia

87.8265, 0.3261, 0.3310



Tritanopia

88.3721, 0.2938, 0.3188

Trichromacy



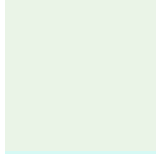
Original Color

88.6376, 0.2945, 0.3626



Protanomaly

87.4082, 0.3192, 0.3560



Deuteranomaly

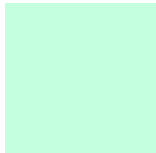
87.9633, 0.3140, 0.3423



Tritanomaly

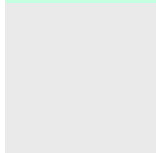
88.5792, 0.2940, 0.3341

Monochromacy



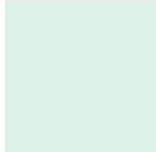
Original Color

88.6376, 0.2945, 0.3626



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.4331, 0.3057, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6376, 0.2945, 0.3626 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(196, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 224)  
}
```

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(196, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 88.6376, 0.2945, 0.3626 is called "border". The border property can be set on classes, ids or directly on the HTML element.

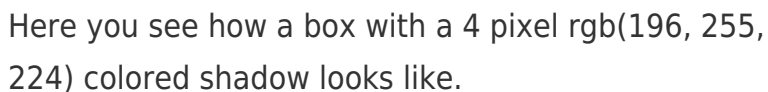
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 255, 224) }
```

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

```
.border{ border-color:rgb(196, 255, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6376, 0.2945, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 224) }
```

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

```
.background{ background-color: rgb(196,  
255, 224) }
```

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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