

Converting Colors

$Yxy(88.5568, 0.2959, 0.3652)$

Have a look what the booklet for
Yxy(88.5568, 0.2959, 0.3652)
contains.

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Color

Yxy(88.5297, 0.2955, 0.3648)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFDE
RGB	196, 255, 222
RGB Percent	77%, 100%, 87%
CMY	0.2314, 0.0000, 0.1293
CMYK	0.23, 0.00, 0.13, 0.00
HSL	146°, 100%, 88%
HSV	146°, 23%, 100%
XYZ	71.7120, 88.5297, 82.4384
YIQ	233.5970, -24.5710, -22.7710

Conversions

Conversions Part 2

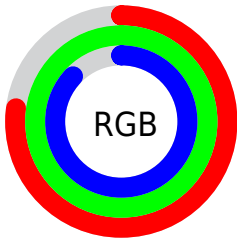
Format	Color
RYB	196, 237, 255
Decimal	12910558
CIELab	95.38, -24.92, 9.75
CIELCh	95, 26.758, 158.620
Yxy	88.5297, 0.2955, 0.3648
Android (android.graphics.Color)	4291100638 (0xFFC4FFDE)
YUV	233.5970, -5.7173, -32.9726
Hunter-Lab	94.0902, -28.6120, 13.9154

Details

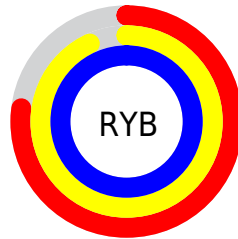
The Yxy color **88.5297, 0.2955, 0.3648** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.3927, 0.3346, 0.2958**, and the grayscale version is **82.0180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.8409, 0.2913, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **84.6650, 0.2887, 0.3831**, and if you desaturate by 10%, it is **93.0425, 0.3028, 0.3482**.

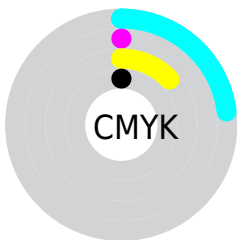
Distribution



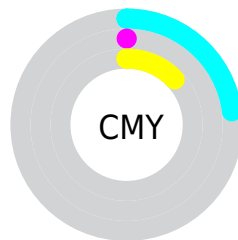
- Red (77%)
- Green (100%)
- Blue (87%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5297, 0.2955, 0.3648 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 88.5297, 0.2955, 0.3648 by changing the saturation by 10% instead.


 88.5297, 0.2955,
0.3648

 88.5297, 0.2955,
0.3648


523.2363, 0.3034,
0.3484

 66.7618, 0.2937,
0.3685


145.2944, 0.2982,
0.3591

 48.8911, 0.2915,
0.3731


181.0600, 0.2993,
0.3569

 34.5331, 0.2887,
0.3789


222.2603, 0.3002,
0.3550

 23.3034, 0.2851,
0.3864

269.2797, 0.3010,
0.3533

 14.8177, 0.2802,
0.3967

322.5027, 0.3017,
0.3519

 8.6916, 0.2732,
0.4112

382.3135, 0.3023,

 4.5406, 0.2625,

0.3506

0.4337

449.0966, 0.3029,
0.3494

1.9803, 0.2439,
0.4726

0.5960, 0.0000,
1.0000

88.5297, 0.2955,
0.3648

88.5297, 0.2955,
0.3648

84.6650, 0.2887,
0.3831

93.0425, 0.3028,
0.3482

81.4138, 0.2828,
0.4030

98.2286, 0.3103,
0.3333

78.7437, 0.2780,
0.4242

100.0000, 0.3127,
0.3290

76.6178, 0.2747,
0.4462

■ 74.9947, 0.2732,
0.4684

■ 73.8269, 0.2738,
0.4901

■ 73.0566, 0.2762,
0.5105

■ 72.7018, 0.2787,
0.5234

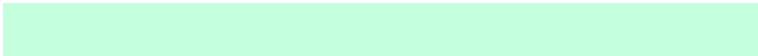
Harmonies

Analogous

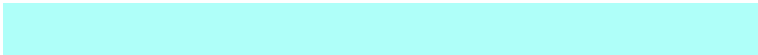
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5297, 0.3256, 0.3809



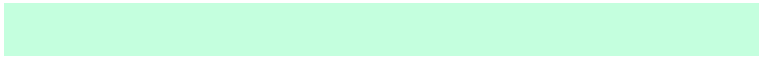
88.5297, 0.2955, 0.3648



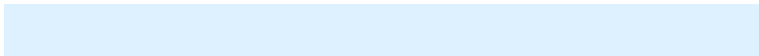
88.5297, 0.2709, 0.3378

Triad

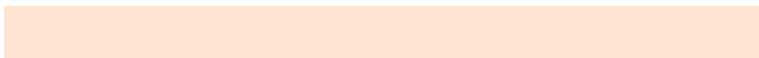
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5297, 0.2955, 0.3648



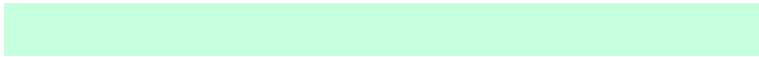
88.5297, 0.2723, 0.2795



88.5297, 0.3713, 0.3438

Complementary

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



88.5297, 0.2955, 0.3648



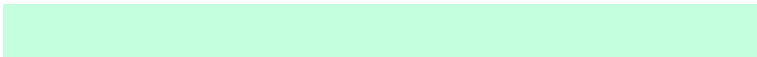
66.3927, 0.3346, 0.2958

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.



88.5297, 0.3557, 0.3186



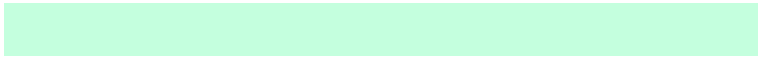
88.5297, 0.2955, 0.3648



88.5297, 0.2977, 0.2827

Square

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



88.5297, 0.2955, 0.3648



88.5297, 0.2580, 0.2887



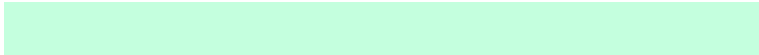
88.5297, 0.3283, 0.2968



88.5297, 0.3702, 0.3667

Rectangle

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



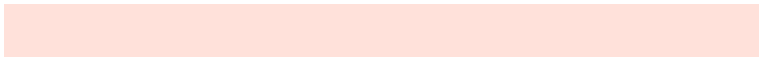
88.5297, 0.2955, 0.3648



88.5297, 0.2605, 0.3185



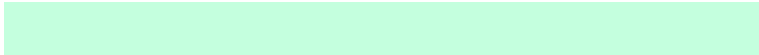
88.5297, 0.3283, 0.2968



88.5297, 0.3678, 0.3354

Sweetspot

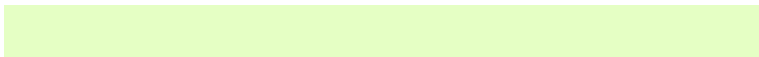
The Sweet Spot groups the original color and five complimentary colors.



88.5309, 0.2955, 0.3648



96.1446, 0.3074, 0.3389



92.2344, 0.3308, 0.3903



20.5112, 0.3069, 0.3397



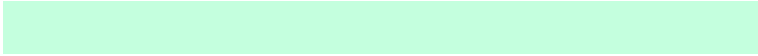
0.0000, 0.0000, 0.0000



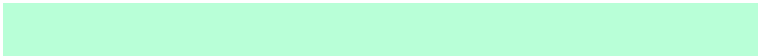
21.4041, 0.3127, 0.3290

Same Dimension

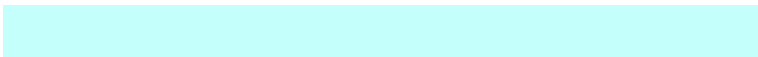
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5309, 0.2955, 0.3648



86.5729, 0.2921, 0.3735



90.2243, 0.2803, 0.3330



20.3014, 0.3055, 0.3426



38.0171, 0.2779, 0.5204



3.7231, 0.2717, 0.4983

Inverse Universe

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



66.3927, 0.3346, 0.2958



60.7292, 0.3405, 0.2885



64.9045, 0.3576, 0.3251



18.1570, 0.3206, 0.3158



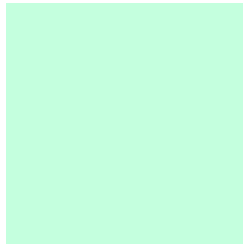
12.1672, 0.4716, 0.2372



1.2067, 0.4496, 0.2250

Previews

White Background



This preview shows how the Yxy color 88.5297, 0.2955, 0.3648 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 88.5297, 0.2955, 0.3648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

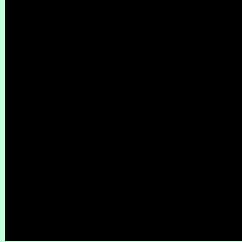
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

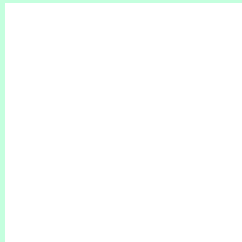
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.5297, 0.2955, 0.3648

Background



This preview shows how black text looks on a background with the Yxy color 88.5297, 0.2955, 0.3648.

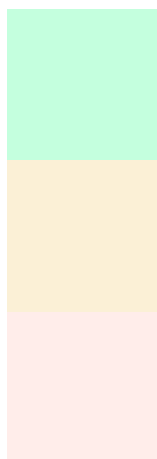


This preview shows how white text looks on a background with the Yxy color 88.5297, 0.2955, 0.3648.

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**

88.5297, 0.2955, 0.3648

Protanopia

87.6844, 0.3365, 0.3551

Deuteranopia

87.7689, 0.3267, 0.3320



Tritanopia

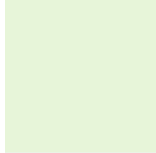
88.3721, 0.2938, 0.3188

Trichromacy



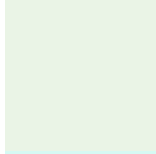
Original Color

88.5297, 0.2955, 0.3648



Protanomaly

87.3035, 0.3205, 0.3581



Deuteranomaly

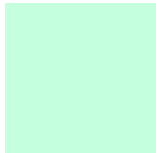
87.9070, 0.3146, 0.3433



Tritanomaly

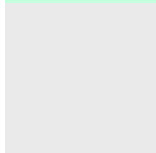
88.5186, 0.2945, 0.3352

Monochromacy



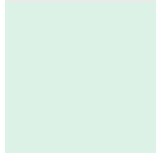
Original Color

88.5297, 0.2955, 0.3648



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 88.5297, 0.2955, 0.3648 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 88.5297, 0.2955, 0.3648 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, 222) }
```

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

```
.border{ border-color:rgb(196, 255, 222) }
```

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, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5297, 0.2955, 0.3648 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, 222) }
```

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

```
.background{ background-color: rgb(196,  
255, 222) }
```

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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