

Converting Colors

$Yxy(89.5219, 0.2916, 0.3529)$

Have a look what the booklet for
Yxy(89.5219, 0.2916, 0.3529)
contains.

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Color

Yxy(89.5453, 0.2914, 0.3525)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFE9
RGB	199, 255, 233
RGB Percent	78%, 100%, 91%
CMY	0.2195, 0.0000, 0.0863
CMYK	0.22, 0.00, 0.09, 0.00
HSL	156°, 100%, 89%
HSV	156°, 22%, 100%
XYZ	74.0241, 89.5453, 90.4598
YIQ	235.7480, -26.3140, -18.7140

Conversions

Conversions Part 2

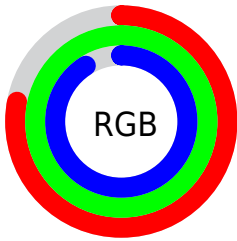
Format	Color
RYB	199, 234, 255
Decimal	13107177
CIELab	95.81, -21.91, 4.76
CIElCh	96, 22.416, 167.750
Yxy	89.5453, 0.2914, 0.3525
Android (android.graphics.Color)	4291297257 (0xFFC7FFE9)
YUV	235.7480, -1.3548, -32.2280
Hunter-Lab	94.6284, -25.9660, 9.5617

Details

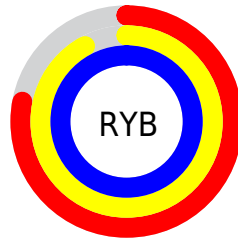
The Yxy color **89.5453, 0.2914, 0.3525** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3423, 0.3403, 0.3067**, and the grayscale version is **83.7081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4918, 0.2868, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **85.7897, 0.2826, 0.3650**, and if you desaturate by 10%, it is **93.9236, 0.3009, 0.3411**.

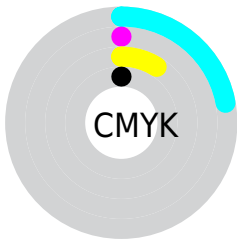
Distribution



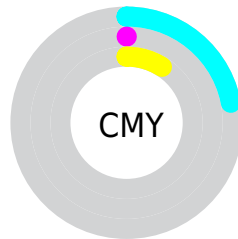
- Red (78%)
- Green (100%)
- Blue (91%)



- Red (78%)
- Yellow (92%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5453, 0.2914, 0.3525 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 89.5453, 0.2914, 0.3525 by changing the saturation by 10% instead.


 89.5453, 0.2914,
0.3525

 89.5453, 0.2914,
0.3525


526.5506, 0.3010,
0.3419

 67.6036, 0.2893,
0.3549


146.7066, 0.2947,
0.3488

 49.5753, 0.2867,
0.3578


182.6950, 0.2960,
0.3474

 35.0761, 0.2834,
0.3615

224.1345, 0.2971,
0.3462

 23.7215, 0.2793,
0.3662

271.4093, 0.2981,
0.3451

 15.1271, 0.2737,
0.3725

324.9039, 0.2989,
0.3441

 8.9087, 0.2660,
0.3815

385.0028, 0.2997,

 4.6817, 0.2545,

0.3433

0.3950

452.0902, 0.3004,
0.3425

■ 2.0617, 0.2356,
0.4178

■ 0.6430, 0.0703,
0.5916

■ 89.5453, 0.2914,
0.3525

■ 89.5453, 0.2914,
0.3525

■ 85.7897, 0.2826,
0.3650

■ 93.9236, 0.3009,
0.3411


■ 82.6187, 0.2748,
0.3785


■ 98.9438, 0.3108,
0.3309


■ 80.0029, 0.2683,
0.3929


■ 100.0000, 0.3127,
0.3290

■ 77.9071, 0.2634,
0.4080

 76.2916, 0.2604,
0.4234

 75.1110, 0.2595,
0.4389

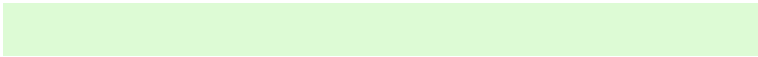
 74.3105, 0.2607,
0.4542

 73.8764, 0.2628,
0.4662

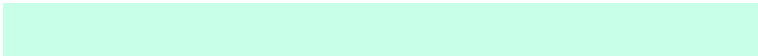
Harmonies

Analogous

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



89.5453, 0.3159, 0.3692



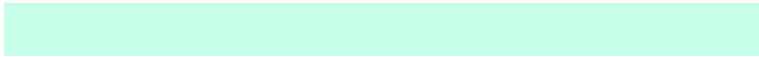
89.5453, 0.2914, 0.3525



89.5453, 0.2731, 0.3291

Triad

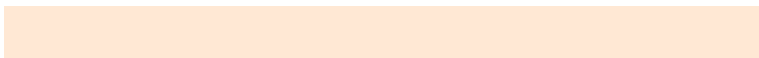
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5453, 0.2914, 0.3525



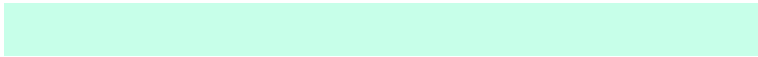
89.5453, 0.2846, 0.2871



89.5453, 0.3628, 0.3480

Complementary

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



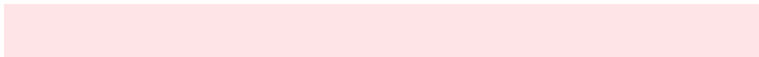
89.5453, 0.2914, 0.3525



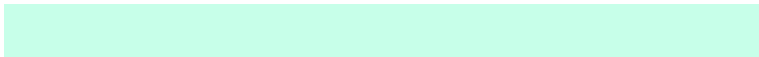
67.3423, 0.3403, 0.3067

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.



89.5453, 0.3538, 0.3268



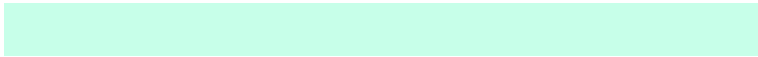
89.5453, 0.2914, 0.3525



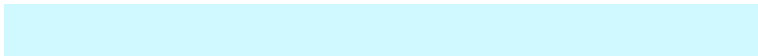
89.5453, 0.3079, 0.2927

Square

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



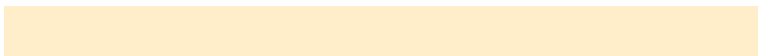
89.5453, 0.2914, 0.3525



89.5453, 0.2693, 0.2919



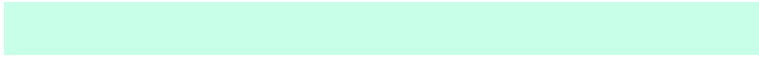
89.5453, 0.3334, 0.3070



89.5453, 0.3576, 0.3653

Rectangle

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



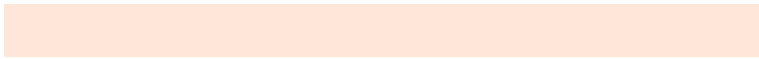
89.5453, 0.2914, 0.3525



89.5453, 0.2665, 0.3137



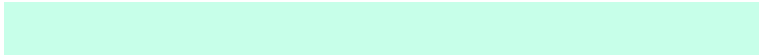
89.5453, 0.3334, 0.3070



89.5453, 0.3613, 0.3411

Sweetspot

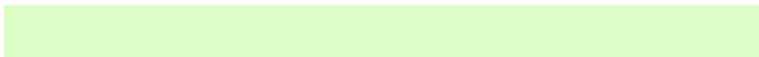
The Sweet Spot groups the original color and five complimentary colors.



89.5482, 0.2914, 0.3525



96.3264, 0.3057, 0.3359



91.0824, 0.3239, 0.3880



20.5533, 0.3051, 0.3365



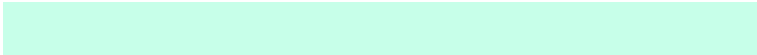
0.0000, 0.0000, 0.0000



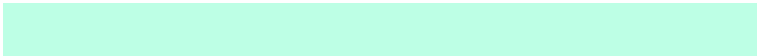
21.4041, 0.3127, 0.3290

Same Dimension

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



89.5482, 0.2914, 0.3525



87.9533, 0.2877, 0.3574



87.3665, 0.2796, 0.3230



20.3533, 0.3033, 0.3385



38.6323, 0.2622, 0.4637



3.7830, 0.2574, 0.4466

Inverse Universe

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



67.3423, 0.3403, 0.3067



62.4212, 0.3469, 0.3024



68.8682, 0.3564, 0.3349



18.1054, 0.3232, 0.3197



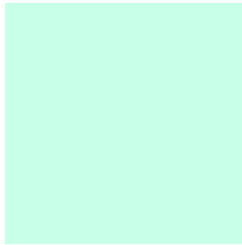
11.6199, 0.5411, 0.2755



1.1521, 0.5108, 0.2587

Previews

White Background



This preview shows how the Yxy color 89.5453, 0.2914, 0.3525 looks on a white background.

Color Contrast Check

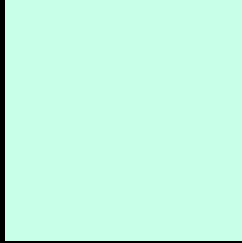
Large Text (above 18pt) WCAG AA × Fail

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 89.5453, 0.2914, 0.3525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

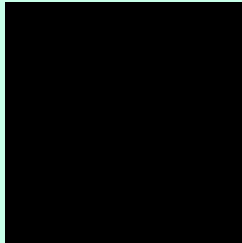
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

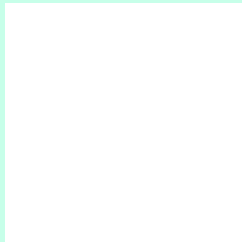
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5453, 0.2914, 0.3525

Background



This preview shows how black text looks on a background with the Yxy color 89.5453, 0.2914, 0.3525.

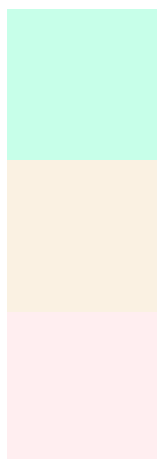


This preview shows how white text looks on a background with the Yxy color 89.5453, 0.2914, 0.3525.

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

89.5453, 0.2914, 0.3525

Protanopia

88.7256, 0.3280, 0.3440

Deuteranopia

88.7003, 0.3228, 0.3271



Tritanopia

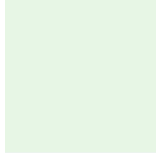
89.4624, 0.2957, 0.3199

Trichromacy



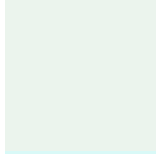
Original Color

89.5453, 0.2914, 0.3525



Protanomaly

88.5576, 0.3132, 0.3465



Deuteranomaly

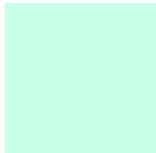
88.4780, 0.3111, 0.3361



Tritanomaly

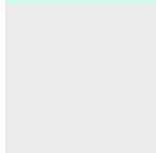
89.2185, 0.2941, 0.3310

Monochromacy



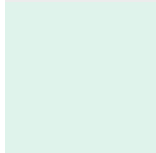
Original Color

89.5453, 0.2914, 0.3525



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7873, 0.3046, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5453, 0.2914, 0.3525 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(199, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 233)  
}
```

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(199, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 89.5453, 0.2914, 0.3525 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(199, 255, 233) }
```

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

```
.border{ border-color:rgb(199, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5453, 0.2914, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 233) }
```

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

```
.background{ background-color: rgb(199,  
255, 233) }
```

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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