

Converting Colors

$Y_{xy}(100.1842, 0.2932, 0.3732)$

Have a look what the booklet for
Yxy(100.1842, 0.2932, 0.3732)
contains.

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Color

Yxy(89.1829, 0.2929, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFE5
RGB	198, 255, 229
RGB Percent	78%, 100%, 90%
CMY	0.2236, 0.0000, 0.1018
CMYK	0.22, 0.00, 0.10, 0.00
HSL	153°, 100%, 89%
HSV	153°, 22%, 100%
XYZ	73.1904, 89.1829, 87.5087
YIQ	234.9930, -25.6260, -20.1700

Conversions

Conversions Part 2

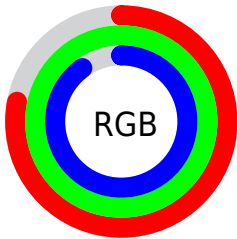
Format	Color
RYB	198, 235, 255
Decimal	13041637
CIELab	95.66, -22.99, 6.56
CIElCh	96, 23.906, 164.066
Yxy	89.1829, 0.2929, 0.3569
Android (android.graphics.Color)	4291231717 (0xFFC6FFE5)
YUV	234.9930, -2.9545, -32.4429
Hunter-Lab	94.4367, -26.9229, 11.1653

Details

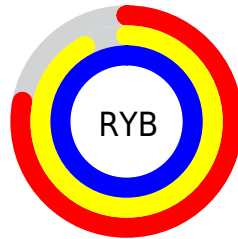
The Yxy color **89.1829, 0.2929, 0.3569** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.0170, 0.3382, 0.3027**, and the grayscale version is **83.1068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2838, 0.2881, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **85.3766, 0.2848, 0.3715**, and if you desaturate by 10%, it is **93.6138, 0.3016, 0.3436**.

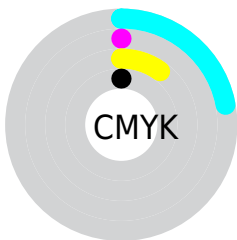
Distribution



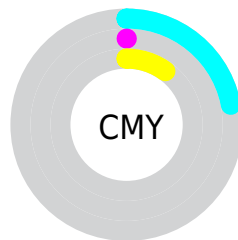
- Red (78%)
- Green (100%)
- Blue (90%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1829, 0.2929, 0.3569 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 89.1829, 0.2929, 0.3569 by changing the saturation by 10% instead.


 89.1829, 0.2929,
0.3569

 89.1829, 0.2929,
0.3569


525.3693, 0.3019,
0.3442

 67.3031, 0.2909,
0.3598


146.2029, 0.2960,
0.3525

 49.3310, 0.2884,
0.3633


182.1119, 0.2972,
0.3508

 34.8821, 0.2854,
0.3677


223.4661, 0.2982,
0.3493

 23.5721, 0.2814,
0.3734

270.6500, 0.2991,
0.3480

 15.0165, 0.2761,
0.3811

324.0478, 0.2999,
0.3469

 8.8310, 0.2687,
0.3920

384.0440, 0.3007,

 4.6311, 0.2575,

0.3459

0.4087

451.0231, 0.3013,
0.3450

■ 2.0325, 0.2389,
0.4371

■ 0.6262, 0.0386,
0.7089

■ 89.1829, 0.2929,
0.3569

■ 89.1829, 0.2929,
0.3569

■ 85.3766, 0.2848,
0.3715

■ 93.6138, 0.3016,
0.3436

■ 82.1680, 0.2777,
0.3874


■ 98.7004, 0.3106,
0.3316


■ 79.5235, 0.2719,
0.4043


100.0000, 0.3127,
0.3290

■ 77.4073, 0.2676,
0.4220

 75.7792, 0.2652,
0.4401

 74.5932, 0.2649,
0.4581

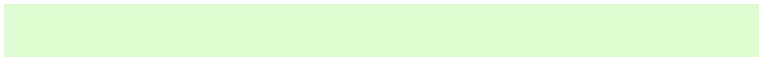
 73.7935, 0.2666,
0.4757

 73.3806, 0.2690,
0.4885

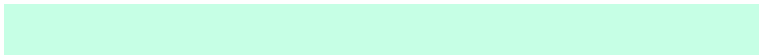
Harmonies

Analogous

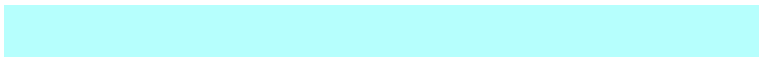
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1829, 0.3194, 0.3734



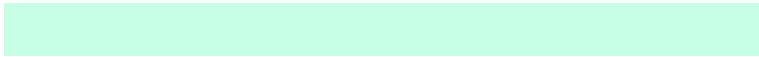
89.1829, 0.2929, 0.3569



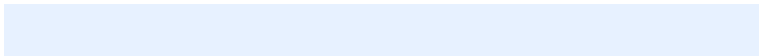
89.1829, 0.2723, 0.3322

Triad

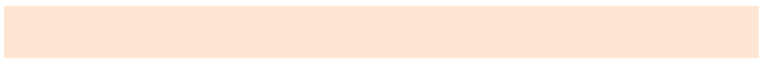
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1829, 0.2929, 0.3569



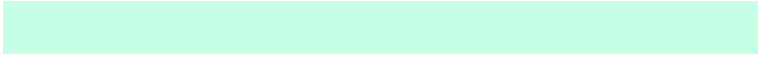
89.1829, 0.2802, 0.2843



89.1829, 0.3658, 0.3465

Complementary

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



89.1829, 0.2929, 0.3569



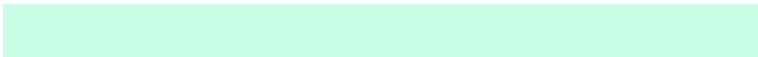
67.0170, 0.3382, 0.3027

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.



89.1829, 0.3545, 0.3239



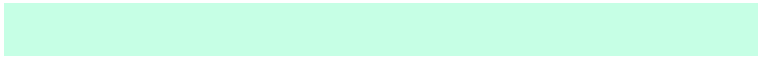
89.1829, 0.2929, 0.3569



89.1829, 0.3042, 0.2891

Square

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



89.1829, 0.2929, 0.3569



89.1829, 0.2652, 0.2907



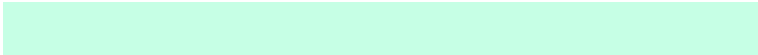
89.1829, 0.3316, 0.3033



89.1829, 0.3621, 0.3658

Rectangle

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



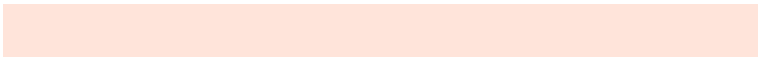
89.1829, 0.2929, 0.3569



89.1829, 0.2643, 0.3154



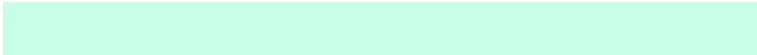
89.1829, 0.3316, 0.3033



89.1829, 0.3637, 0.3390

Sweetspot

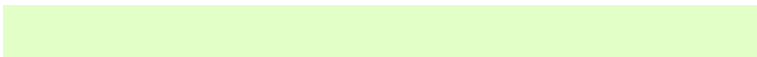
The Sweet Spot groups the original color and five complimentary colors.



89.1818, 0.2929, 0.3569



96.2578, 0.3064, 0.3370



91.5377, 0.3265, 0.3888



20.5374, 0.3058, 0.3377



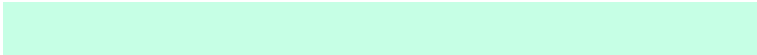
0.0000, 0.0000, 0.0000



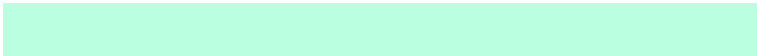
21.4041, 0.3127, 0.3290

Same Dimension

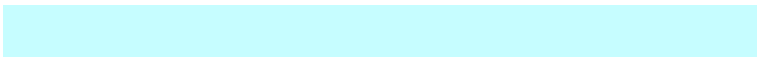
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1818, 0.2929, 0.3569



87.3406, 0.2891, 0.3635



89.5361, 0.2793, 0.3269



20.3337, 0.3041, 0.3400



38.3735, 0.2683, 0.4858



3.7584, 0.2629, 0.4663

Inverse Universe

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



67.0170, 0.3382, 0.3027



61.4770, 0.3450, 0.2970



66.5887, 0.3583, 0.3311



18.1246, 0.3222, 0.3182



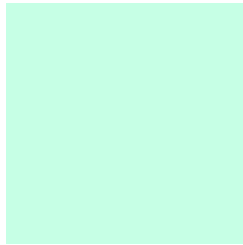
11.7984, 0.5154, 0.2613



1.1705, 0.4876, 0.2460

Previews

White Background



This preview shows how the Yxy color 89.1829, 0.2929, 0.3569 looks on a white background.

Color Contrast Check

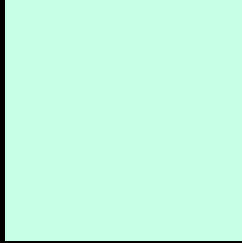
Large Text (above 18pt) WCAG AA × Fail

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 89.1829, 0.2929, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

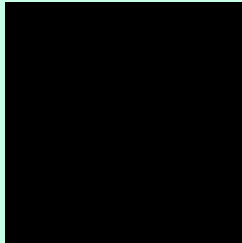
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

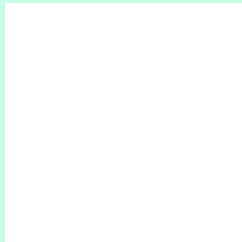
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1829, 0.2929, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 89.1829, 0.2929, 0.3569.

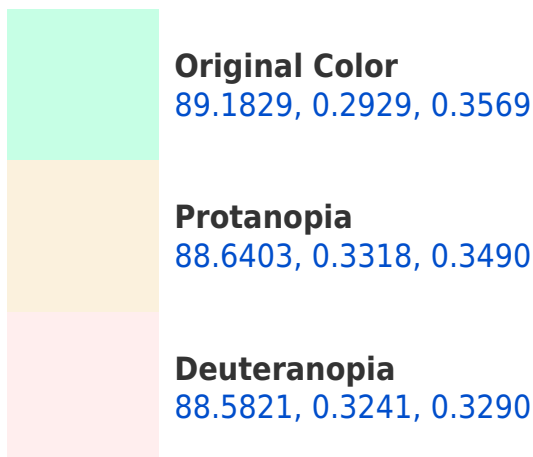


This preview shows how white text looks on a background with the Yxy color 89.1829, 0.2929, 0.3569.

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

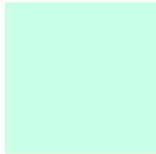




Tritanopia

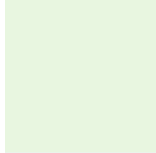
88.6936, 0.2950, 0.3189

Trichromacy



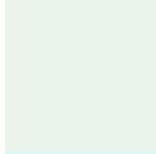
Original Color

89.1829, 0.2929, 0.3569



Protanomaly

88.4492, 0.3168, 0.3516



Deuteranomaly

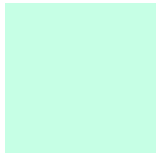
88.1920, 0.3116, 0.3382



Tritanomaly

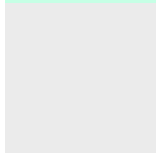
89.0041, 0.2941, 0.3320

Monochromacy



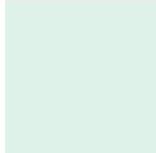
Original Color

89.1829, 0.2929, 0.3569



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9170, 0.3052, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1829, 0.2929, 0.3569 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(198, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 229)  
}
```

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(198, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 89.1829, 0.2929, 0.3569 is called "border". The border property can be set on classes, ids or directly on the HTML element.

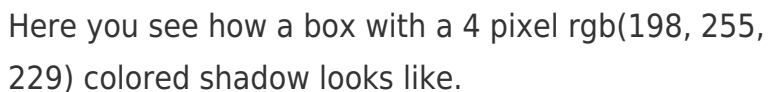
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 255, 229) }
```

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

```
.border{ border-color:rgb(198, 255, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 255, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 255, 229); box-shadow:4px 4px 4px 4px rgb(198, 255, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1829, 0.2929, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 229) }
```

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

```
.background{ background-color: rgb(198,  
255, 229) }
```

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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