

Converting Colors

$Yxy(96.6631, 0.2941, 0.3700)$

Have a look what the booklet for
Yxy(96.6631, 0.2941, 0.3700)
contains.

Yxy(89.1272, 0.2935, 0.3580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.1272, 0.2935, 0.3580)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFE4
RGB	198, 255, 228
RGB Percent	78%, 100%, 89%
CMY	0.2232, 0.0001, 0.1058
CMYK	0.22, 0.00, 0.11, 0.00
HSL	152°, 100%, 89%
HSV	152°, 22%, 100%
XYZ	73.0694, 89.1272, 86.7621
YIQ	234.8790, -25.3050, -20.4810

Conversions

Conversions Part 2

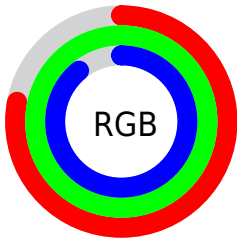
Format	Color
RYB	198, 235, 255
Decimal	13041636
CIELab	95.63, -23.14, 7.05
CIELCh	96, 24.191, 163.049
Yxy	89.1272, 0.2935, 0.3580
Android (android.graphics.Color)	4291231716 (0xFFC6FFE4)
YUV	234.8790, -3.3913, -32.3429
Hunter-Lab	94.4072, -27.0570, 11.5964

Details

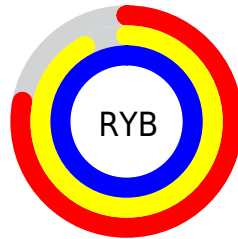
The Yxy color **89.1272, 0.2935, 0.3580** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.1216, 0.3374, 0.3018**, and the grayscale version is **83.0358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2449, 0.2887, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **85.3028, 0.2857, 0.3733**, and if you desaturate by 10%, it is **93.5893, 0.3019, 0.3441**.

Distribution



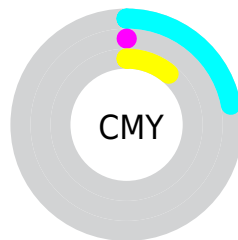
- Red (78%)
- Green (100%)
- Blue (89%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1272, 0.2935, 0.3580 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 89.1272, 0.2935, 0.3580 by changing the saturation by 10% instead.


 89.1272, 0.2935,
0.3580

 89.1272, 0.2935,
0.3580


525.1876, 0.3022,
0.3448

 67.2570, 0.2916,
0.3610


146.1254, 0.2965,
0.3534

 49.2935, 0.2892,
0.3646


182.0222, 0.2977,
0.3517

 34.8524, 0.2862,
0.3692


223.3634, 0.2987,
0.3501

 23.5492, 0.2823,
0.3752

270.5332, 0.2996,
0.3488

 14.9995, 0.2771,
0.3833

323.9162, 0.3003,
0.3476

 8.8191, 0.2699,
0.3947

383.8966, 0.3010,

 4.6233, 0.2589,

0.3466

0.4121

450.8589, 0.3017,
0.3456

■ 2.0280, 0.2404,
0.4419

■ 0.6237, 0.0333,
0.7447

■ 89.1272, 0.2935,
0.3580

■ 89.1272, 0.2935,
0.3580

■ 85.3028, 0.2857,
0.3733

■ 93.5893, 0.3019,
0.3441

■ 82.0749, 0.2787,
0.3898

■ 98.7060, 0.3107,
0.3317

■ 79.4144, 0.2730,
0.4075

■ 99.9918, 0.3127,
0.3290

■ 77.2854, 0.2689,
0.4260

■ 75.6479, 0.2667,
0.4448

■ 74.4554, 0.2665,
0.4636

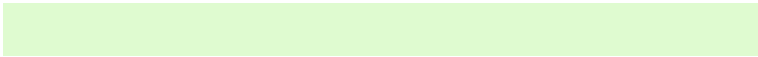
■ 73.6523, 0.2683,
0.4817

■ 73.2369, 0.2709,
0.4951

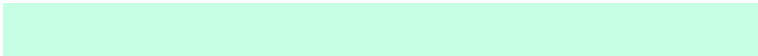
Harmonies

Analogous

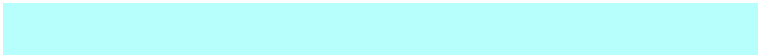
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1272, 0.3204, 0.3743



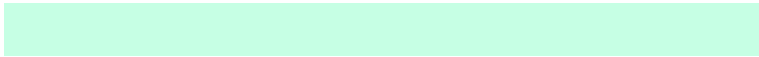
89.1272, 0.2935, 0.3580



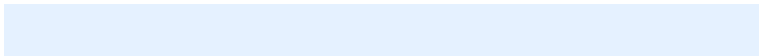
89.1272, 0.2724, 0.3331

Triad

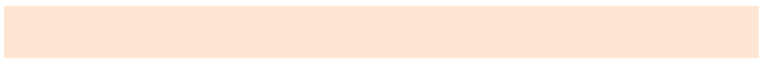
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1272, 0.2935, 0.3580



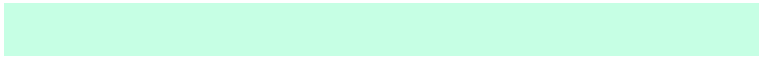
89.1272, 0.2791, 0.2839



89.1272, 0.3663, 0.3459

Complementary

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



89.1272, 0.2935, 0.3580



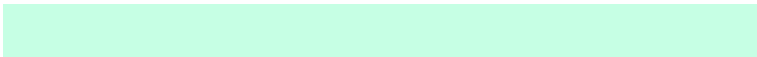
67.1216, 0.3374, 0.3018

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.



89.1272, 0.3544, 0.3230



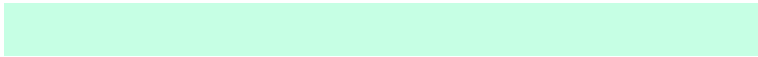
89.1272, 0.2935, 0.3580



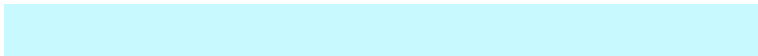
89.1272, 0.3032, 0.2883

Square

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



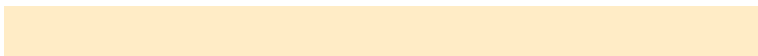
89.1272, 0.2935, 0.3580



89.1272, 0.2643, 0.2907



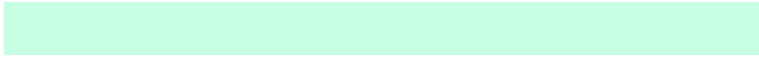
89.1272, 0.3309, 0.3024



89.1272, 0.3631, 0.3657

Rectangle

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



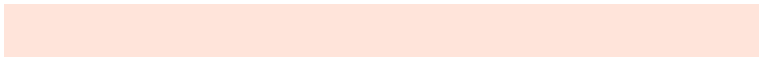
89.1272, 0.2935, 0.3580



89.1272, 0.2640, 0.3161



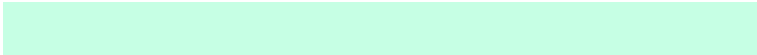
89.1272, 0.3309, 0.3024



89.1272, 0.3640, 0.3383

Sweetspot

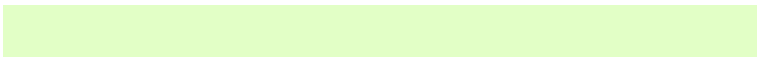
The Sweet Spot groups the original color and five complimentary colors.



89.1309, 0.2935, 0.3580



96.2374, 0.3065, 0.3373



91.6945, 0.3271, 0.3885



20.5327, 0.3060, 0.3381



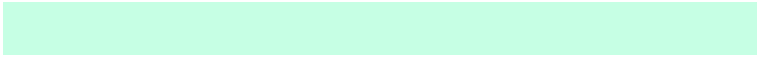
0.0000, 0.0000, 0.0000



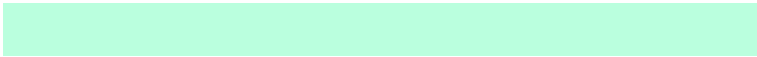
21.4041, 0.3127, 0.3290

Same Dimension

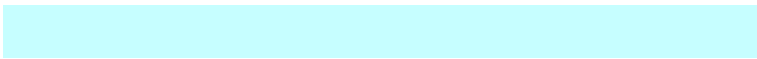
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1309, 0.2935, 0.3580



87.2717, 0.2897, 0.3650



90.1441, 0.2794, 0.3279



20.3279, 0.3044, 0.3405



38.3027, 0.2701, 0.4922



3.7515, 0.2645, 0.4722

Inverse Universe

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



67.1216, 0.3374, 0.3018



61.5440, 0.3440, 0.2957



66.1987, 0.3584, 0.3301



18.1304, 0.3219, 0.3178



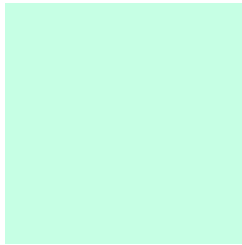
11.8579, 0.5075, 0.2569



1.1765, 0.4807, 0.2422

Previews

White Background



This preview shows how the Yxy color 89.1272, 0.2935, 0.3580 looks on a white background.

Color Contrast Check

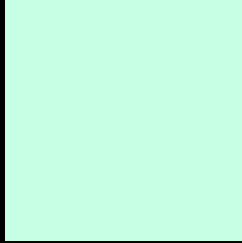
Large Text (above 18pt) WCAG AA × Fail

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 89.1272, 0.2935, 0.3580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

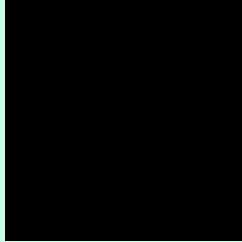
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

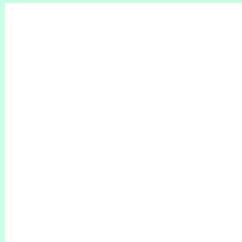
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1272, 0.2935, 0.3580

Background



This preview shows how black text looks on a background with the Yxy color 89.1272, 0.2935, 0.3580.

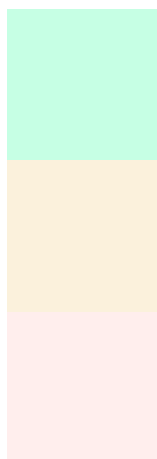


This preview shows how white text looks on a background with the Yxy color 89.1272, 0.2935, 0.3580.

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

89.1272, 0.2935, 0.3580

Protanopia

88.5871, 0.3325, 0.3500

Deuteranopia

88.5235, 0.3247, 0.3300



Tritanopia

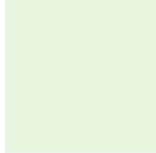
88.6936, 0.2950, 0.3189

Trichromacy



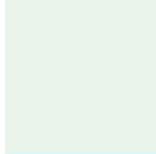
Original Color

89.1272, 0.2935, 0.3580



Protanomaly

88.3951, 0.3174, 0.3527



Deuteranomaly

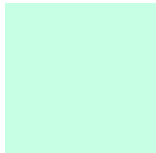
88.1343, 0.3122, 0.3392



Tritanomaly

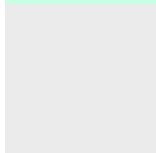
88.9429, 0.2946, 0.3331

Monochromacy



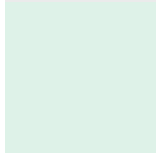
Original Color

89.1272, 0.2935, 0.3580



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8601, 0.3058, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1272, 0.2935, 0.3580 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 89.1272, 0.2935, 0.3580 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, 228) }
```

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

```
.border{ border-color:rgb(198, 255, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1272, 0.2935, 0.3580 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, 228) }
```

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

```
.background{ background-color: rgb(198,  
255, 228) }
```

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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