

Converting Colors

$Yxy(89.0817, 0.2908, 0.3546)$

Have a look what the booklet for
Yxy(89.0817, 0.2908, 0.3546)
contains.

Yxy(89.0253, 0.2907, 0.3548)	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(89.0253, 0.2907, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFE7
RGB	196, 255, 231
RGB Percent	77%, 100%, 91%
CMY	0.2315, 0.0000, 0.0941
CMYK	0.23, 0.00, 0.09, 0.00
HSL	156°, 100%, 88%
HSV	156°, 23%, 100%
XYZ	72.9415, 89.0253, 88.9500
YIQ	234.6230, -27.4600, -19.9720

Conversions

Conversions Part 2

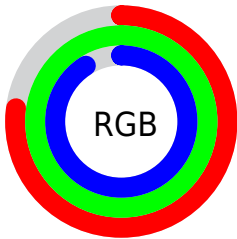
Format	Color
RYB	196, 233, 255
Decimal	12910567
CIELab	95.59, -23.22, 5.43
CIELCh	96, 23.851, 166.831
Yxy	89.0253, 0.2907, 0.3548
Android (android.graphics.Color)	4291100647 (0xFFC4FFE7)
YUV	234.6230, -1.7861, -33.8724
Hunter-Lab	94.3532, -27.1254, 10.1525

Details

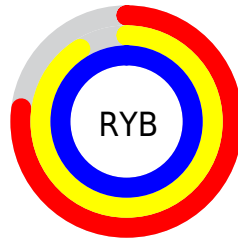
The Yxy color **89.0253, 0.2907, 0.3548** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8848, 0.3416, 0.3047**, and the grayscale version is **82.7961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **49.1460, 0.2860, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **85.3192, 0.2821, 0.3678**, and if you desaturate by 10%, it is **93.3373, 0.3000, 0.3429**.

Distribution



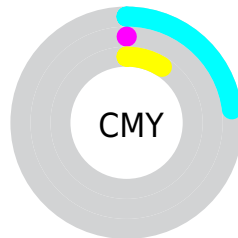
- Red (77%)
- Green (100%)
- Blue (91%)



- Red (77%)
- Yellow (91%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0253, 0.2907, 0.3548 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 89.0253, 0.2907, 0.3548 by changing the saturation by 10% instead.


 89.0253, 0.2907,
0.3548

 89.0253, 0.2907,
0.3548


524.8551, 0.3006,
0.3431

 67.1725, 0.2885,
0.3574

145.9837, 0.2941,
0.3508

 49.2248, 0.2858,
0.3607


181.8582, 0.2954,
0.3492

 34.7979, 0.2824,
0.3647


223.1753, 0.2966,
0.3478

 23.5072, 0.2781,
0.3700

270.3196, 0.2976,
0.3466

 14.9685, 0.2723,
0.3770

323.6752, 0.2985,
0.3456

 8.7973, 0.2642,
0.3870

383.6268, 0.2993,

 4.6092, 0.2521,

0.3447

0.4022

450.5586, 0.3000,
0.3438

■ 2.0198, 0.2321,
0.4279

■ 0.6190, 0.0229,
0.6624

■ 89.0253, 0.2907,
0.3548

■ 89.0253, 0.2907,
0.3548

■ 85.3192, 0.2821,
0.3678

■ 93.3373, 0.3000,
0.3429


■ 82.2038, 0.2746,
0.3819


■ 98.2977, 0.3096,
0.3321


■ 79.6416, 0.2684,
0.3970

■ 100.0000, 0.3127,
0.3290

■ 77.5967, 0.2639,
0.4126

 76.0290, 0.2612,
0.4287

 74.8920, 0.2607,
0.4447

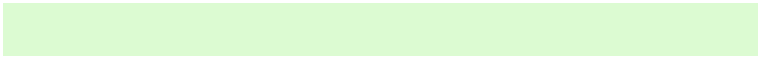
 74.1294, 0.2622,
0.4604

 73.7677, 0.2641,
0.4709

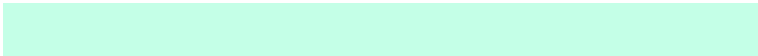
Harmonies

Analogous

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



89.0253, 0.3169, 0.3723



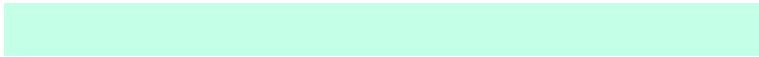
89.0253, 0.2907, 0.3548



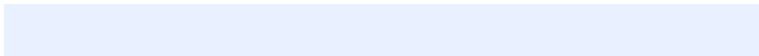
89.0253, 0.2709, 0.3298

Triad

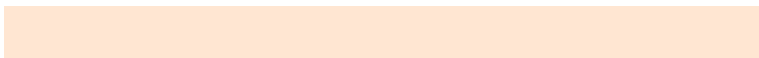
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0253, 0.2907, 0.3548



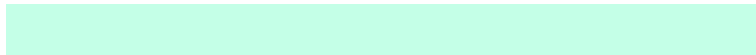
89.0253, 0.2821, 0.2844



89.0253, 0.3660, 0.3484

Complementary

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



89.0253, 0.2907, 0.3548



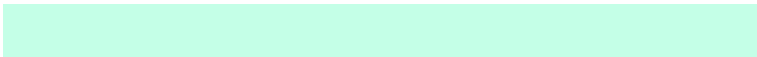
65.8848, 0.3416, 0.3047

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.



89.0253, 0.3560, 0.3259



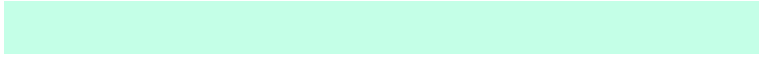
89.0253, 0.2907, 0.3548



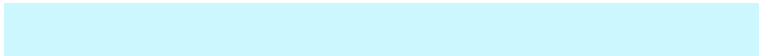
89.0253, 0.3067, 0.2901

Square

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



89.0253, 0.2907, 0.3548



89.0253, 0.2662, 0.2897



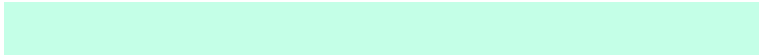
89.0253, 0.3340, 0.3050



89.0253, 0.3610, 0.3672

Rectangle

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



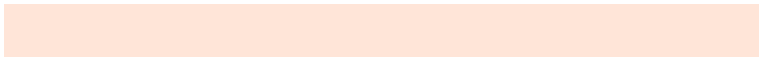
89.0253, 0.2907, 0.3548



89.0253, 0.2637, 0.3133



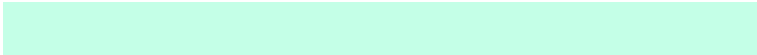
89.0253, 0.3340, 0.3050



89.0253, 0.3643, 0.3411

Sweetspot

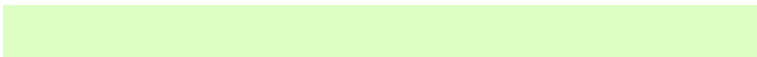
The Sweet Spot groups the original color and five complimentary colors.



89.0204, 0.2907, 0.3548



96.3121, 0.3059, 0.3361



90.8065, 0.3251, 0.3915



20.5499, 0.3053, 0.3368



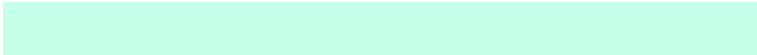
0.0000, 0.0000, 0.0000



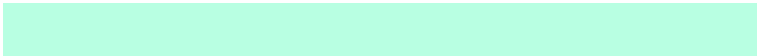
21.4041, 0.3127, 0.3290

Same Dimension

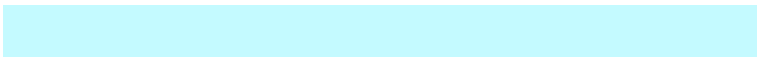
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0204, 0.2907, 0.3548



87.1517, 0.2864, 0.3610



87.3708, 0.2779, 0.3237



20.3492, 0.3034, 0.3388



38.5756, 0.2634, 0.4684



3.7776, 0.2585, 0.4508

Inverse Universe

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



65.8848, 0.3416, 0.3047



60.1591, 0.3495, 0.2993



66.9597, 0.3597, 0.3342



18.1094, 0.3230, 0.3194



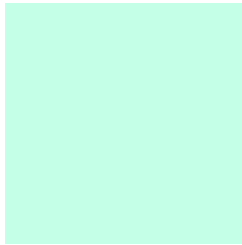
11.6545, 0.5359, 0.2726



1.1557, 0.5059, 0.2561

Previews

White Background



This preview shows how the Yxy color 89.0253, 0.2907, 0.3548 looks on a white background.

Color Contrast Check

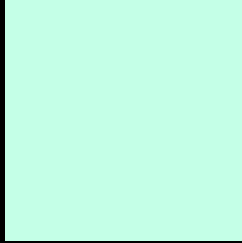
Large Text (above 18pt) WCAG AA × Fail

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 89.0253, 0.2907, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

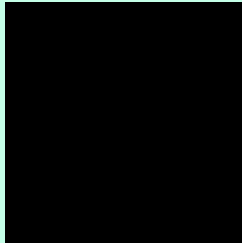
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

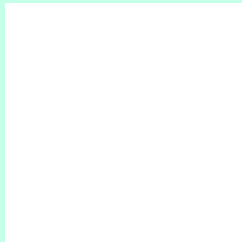
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0253, 0.2907, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 89.0253, 0.2907, 0.3548.

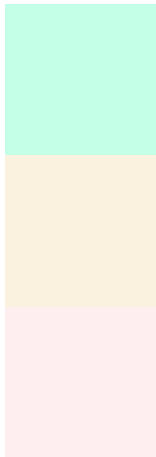


This preview shows how white text looks on a background with the Yxy color 89.0253, 0.2907, 0.3548.

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

89.0253, 0.2907, 0.3548

Protanopia

88.5623, 0.3299, 0.3470

Deuteranopia

88.6411, 0.3234, 0.3281



Tritanopia

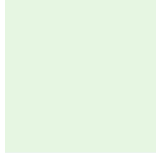
88.5324, 0.2944, 0.3188

Trichromacy



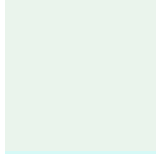
Original Color

89.0253, 0.2907, 0.3548



Protanomaly

88.2255, 0.3143, 0.3496



Deuteranomaly

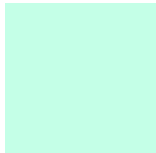
88.2499, 0.3110, 0.3371



Tritanomaly

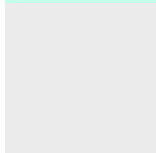
88.7013, 0.2929, 0.3321

Monochromacy



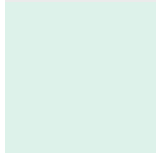
Original Color

89.0253, 0.2907, 0.3548



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8169, 0.3040, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0253, 0.2907, 0.3548 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 89.0253, 0.2907, 0.3548 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, 231) }
```

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

```
.border{ border-color:rgb(196, 255, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0253, 0.2907, 0.3548 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, 231) }
```

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

```
.background{ background-color: rgb(196,  
255, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor