

Converting Colors

$Yxy(89.7107, 0.2899, 0.3495)$

Have a look what the booklet for
Yxy(89.7107, 0.2899, 0.3495)
contains.

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Color

Yxy(89.7182, 0.2898, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFEC
RGB	199, 255, 236
RGB Percent	78%, 100%, 93%
CMY	0.2195, 0.0000, 0.0745
CMYK	0.22, 0.00, 0.07, 0.00
HSL	160°, 100%, 89%
HSV	160°, 22%, 100%
XYZ	74.4569, 89.7182, 92.7499
YIQ	236.0900, -27.2770, -17.7810

Conversions

Conversions Part 2

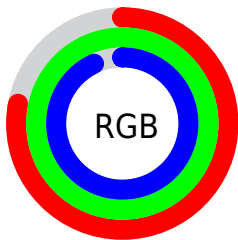
Format	Color
RYB	199, 233, 255
Decimal	13107180
CIELab	95.88, -21.32, 3.31
CIELCh	96, 21.575, 171.184
Yxy	89.7182, 0.2898, 0.3492
Android (android.graphics.Color)	4291297260 (0xFFC7FFEC)
YUV	236.0900, -0.0444, -32.5279
Hunter-Lab	94.7197, -25.4449, 8.2468

Details

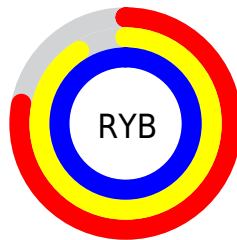
The Yxy color **89.7182, 0.2898, 0.3492** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1786, 0.3427, 0.3097**, and the grayscale version is **83.9733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6127, 0.2848, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **86.0289, 0.2804, 0.3599**, and if you desaturate by 10%, it is **94.0220, 0.3000, 0.3394**.

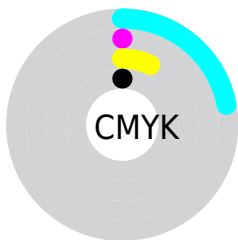
Distribution



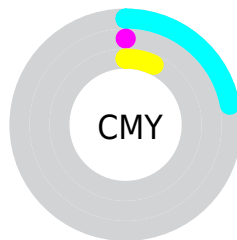
- Red (78%)
- Green (100%)
- Blue (93%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7182, 0.2898, 0.3492 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 89.7182, 0.2898, 0.3492 by changing the saturation by 10% instead.


 89.7182, 0.2898,
0.3492

 89.7182, 0.2898,
0.3492


527.1137, 0.3001,
0.3401

 67.7469, 0.2875,
0.3512

146.9469, 0.2933,
0.3461

 49.6919, 0.2848,
0.3537

182.9731, 0.2947,
0.3449

 35.1686, 0.2813,
0.3568


224.4531, 0.2959,
0.3438

 23.7928, 0.2769,
0.3608

271.7713, 0.2969,
0.3429

 15.1800, 0.2711,
0.3662

325.3121, 0.2978,
0.3421

 8.9458, 0.2630,
0.3737

385.4598, 0.2987,

 4.7059, 0.2509,

0.3413

0.3849

452.5989, 0.2994,
0.3407

■ 2.0757, 0.2314,
0.4037

■ 0.6509, 0.0801,
0.5306

■ 89.7182, 0.2898,
0.3492

■ 89.7182, 0.2898,
0.3492

■ 86.0289, 0.2804,
0.3599

■ 94.0220, 0.3000,
0.3394

■ 82.9161, 0.2720,
0.3714

■ 98.9592, 0.3106,
0.3306

■ 80.3507, 0.2650,
0.3837

■ 100.0000, 0.3127,
0.3290

■ 78.2977, 0.2597,
0.3965

■ 76.7176, 0.2563,
0.4096

■ 75.5653, 0.2549,
0.4229

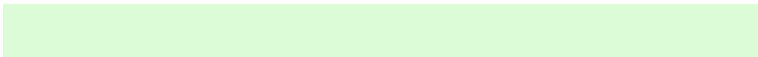
■ 74.7861, 0.2556,
0.4360

■ 74.3644, 0.2573,
0.4464

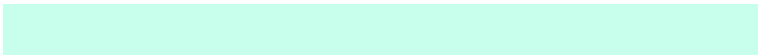
Harmonies

Analogous

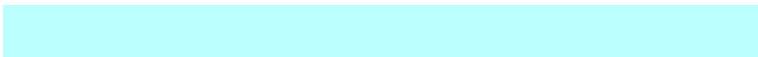
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7182, 0.3130, 0.3663



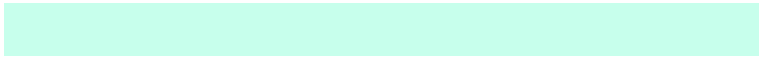
89.7182, 0.2898, 0.3492



89.7182, 0.2731, 0.3265

Triad

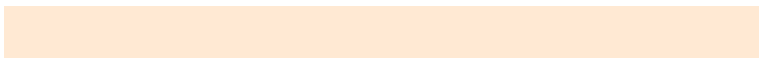
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7182, 0.2898, 0.3492



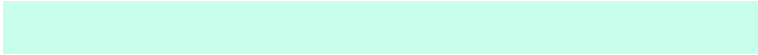
89.7182, 0.2879, 0.2887



89.7182, 0.3610, 0.3495

Complementary

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



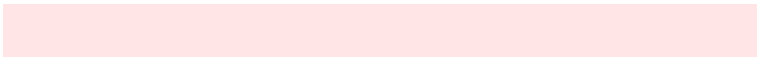
89.7182, 0.2898, 0.3492



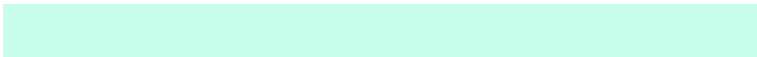
67.1786, 0.3427, 0.3097

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.



89.7182, 0.3538, 0.3293



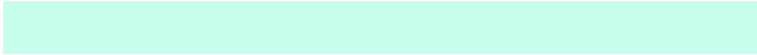
89.7182, 0.2898, 0.3492



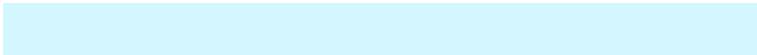
89.7182, 0.3109, 0.2952

Square

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



89.7182, 0.2898, 0.3492



89.7182, 0.2721, 0.2922



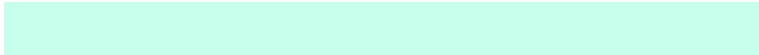
89.7182, 0.3353, 0.3098



89.7182, 0.3545, 0.3654

Rectangle

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



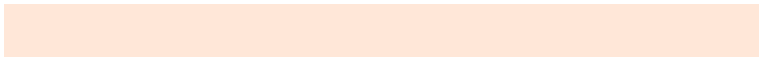
89.7182, 0.2898, 0.3492



89.7182, 0.2676, 0.3120



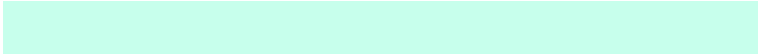
89.7182, 0.3353, 0.3098



89.7182, 0.3601, 0.3430

Sweetspot

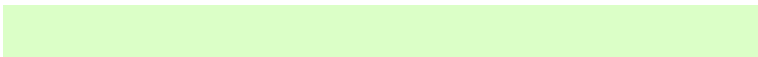
The Sweet Spot groups the original color and five complimentary colors.



89.7210, 0.2898, 0.3492



96.3863, 0.3052, 0.3350



90.6445, 0.3221, 0.3884



20.5672, 0.3046, 0.3355



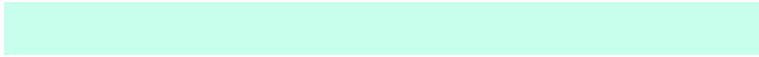
0.0000, 0.0000, 0.0000



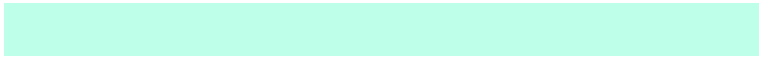
21.4041, 0.3127, 0.3290

Same Dimension

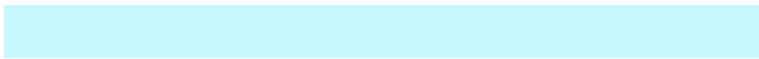
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7210, 0.2898, 0.3492



88.1551, 0.2859, 0.3534



85.6437, 0.2793, 0.3201



20.3705, 0.3025, 0.3372



38.8860, 0.2567, 0.4442



3.8067, 0.2526, 0.4295

Inverse Universe

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



67.1786, 0.3427, 0.3097



62.2395, 0.3498, 0.3060



70.2122, 0.3558, 0.3378



18.0888, 0.3241, 0.3210



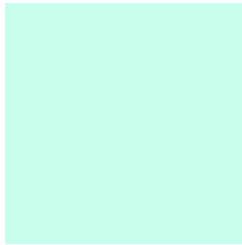
11.4894, 0.5624, 0.2872



1.1382, 0.5307, 0.2697

Previews

White Background



This preview shows how the Yxy color 89.7182, 0.2898, 0.3492 looks on a white background.

Color Contrast Check

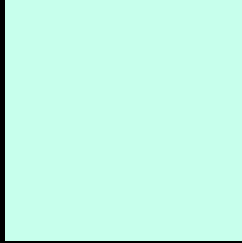
Large Text (above 18pt) WCAG AA × Fail

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 89.7182, 0.2898, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

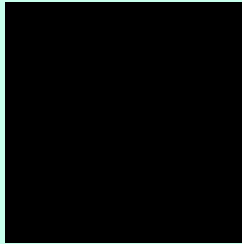
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

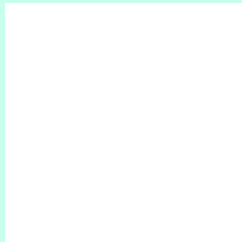
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7182, 0.2898, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 89.7182, 0.2898, 0.3492.

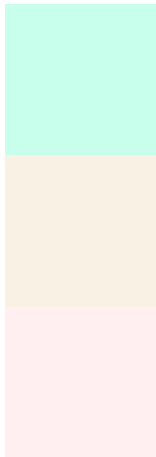


This preview shows how white text looks on a background with the Yxy color 89.7182, 0.2898, 0.3492.

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

89.7182, 0.2898, 0.3492

Protanopia

88.8917, 0.3261, 0.3409

Deuteranopia

89.3439, 0.3221, 0.3271



Tritanopia

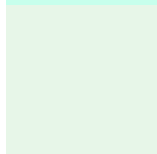
89.4624, 0.2957, 0.3199

Trichromacy



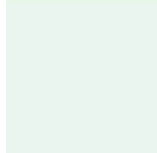
Original Color

89.7182, 0.2898, 0.3492



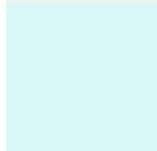
Protanomaly

88.7267, 0.3114, 0.3433



Deuteranomaly

89.1990, 0.3099, 0.3351



Tritanomaly

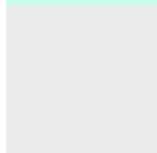
89.2804, 0.2936, 0.3300

Monochromacy



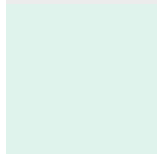
Original Color

89.7182, 0.2898, 0.3492



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8453, 0.3040, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7182, 0.2898, 0.3492 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 89.7182, 0.2898, 0.3492 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, 236) }
```

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

```
.border{ border-color:rgb(199, 255, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7182, 0.2898, 0.3492 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, 236) }
```

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

```
.background{ background-color: rgb(199,  
255, 236) }
```

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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