

Converting Colors

$Y_{xy}(101.3808, 0.2919, 0.3668)$

Have a look what the booklet for
Yxy(101.3808, 0.2919, 0.3668)
contains.

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Color

Yxy(89.9936, 0.2909, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFEC
RGB	201, 255, 236
RGB Percent	79%, 100%, 93%
CMY	0.2118, 0.0000, 0.0744
CMYK	0.21, 0.00, 0.07, 0.00
HSL	159°, 100%, 89%
HSV	159°, 21%, 100%
XYZ	74.9904, 89.9936, 92.8035
YIQ	236.6880, -26.0850, -17.3570

Conversions

Conversions Part 2

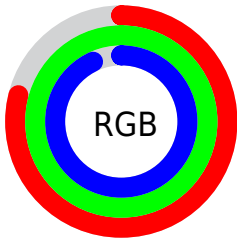
Format	Color
R _Y B	201, 234, 255
Decimal	13238252
CIE Lab	95.99, -20.72, 3.47
CIE LCh	96, 21.003, 170.498
Yxy	89.9936, 0.2909, 0.3491
Android (android.graphics.Color)	4291428332 (0xFFC9FFEC)
YUV	236.6880, -0.3392, -31.2984
Hunter-Lab	94.8650, -24.9101, 8.4039

Details

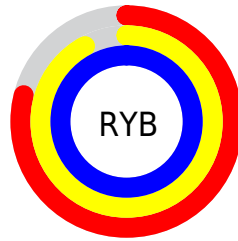
The Yxy color **89.9936, 0.2909, 0.3491** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.1953, 0.3409, 0.3098**, and the grayscale version is **84.4547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7944, 0.2862, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **86.2420, 0.2815, 0.3601**, and if you desaturate by 10%, it is **94.3608, 0.3010, 0.3391**.

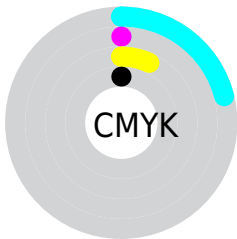
Distribution



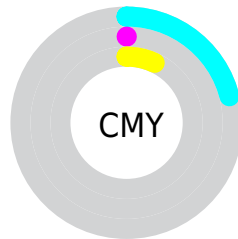
- Red (79%)
- Green (100%)
- Blue (93%)



- Red (79%)
- Yellow (92%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9936, 0.2909, 0.3491 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 89.9936, 0.2909, 0.3491 by changing the saturation by 10% instead.

 89.9936, 0.2909,
0.3491

 89.9936, 0.2909,
0.3491


528.0100, 0.3007,
0.3400

 67.9753, 0.2887,
0.3511

147.3295, 0.2942,
0.3460

 49.8777, 0.2861,
0.3536


183.4159, 0.2955,
0.3448

 35.3162, 0.2828,
0.3567


224.9605, 0.2967,
0.3437

 23.9066, 0.2786,
0.3607

272.3477, 0.2977,
0.3428

 15.2643, 0.2731,
0.3660

325.9619, 0.2986,
0.3420

 9.0051, 0.2653,
0.3734

386.1874, 0.2993,

 4.7445, 0.2539,

0.3413

0.3846

453.4086, 0.3000,
0.3406

■ 2.0981, 0.2352,
0.4033

■ 0.6636, 0.0985,
0.5230

■ 89.9936, 0.2909,
0.3491

■ 89.9936, 0.2909,
0.3491

■ 86.2420, 0.2815,
0.3601

■ 94.3608, 0.3010,
0.3391

■ 83.0724, 0.2732,
0.3720


■ 99.3665, 0.3115,
0.3300

■ 80.4544, 0.2662,
0.3846


■ 100.0000, 0.3127,
0.3290

■ 78.3531, 0.2608,
0.3979

 76.7296, 0.2573,
0.4116

 75.5390, 0.2559,
0.4253

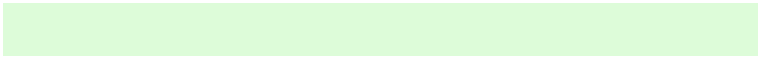
 74.7277, 0.2566,
0.4389

 74.2539, 0.2585,
0.4507

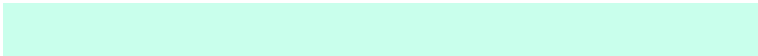
Harmonies

Analogous

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



89.9936, 0.3136, 0.3655



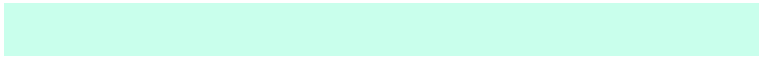
89.9936, 0.2909, 0.3491



89.9936, 0.2744, 0.3271

Triad

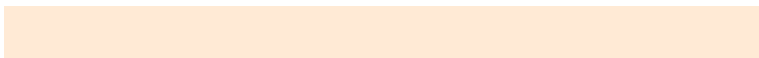
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9936, 0.2909, 0.3491



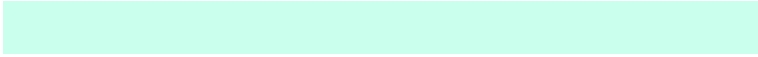
89.9936, 0.2882, 0.2897



89.9936, 0.3596, 0.3486

Complementary

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



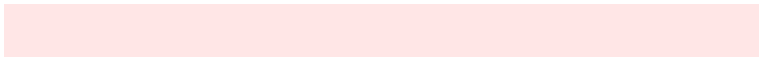
89.9936, 0.2909, 0.3491



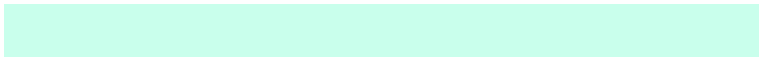
68.1953, 0.3409, 0.3098

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.



89.9936, 0.3524, 0.3289



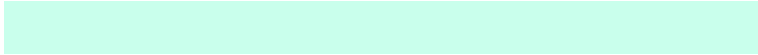
89.9936, 0.2909, 0.3491



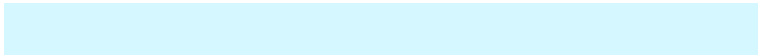
89.9936, 0.3105, 0.2958

Square

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



89.9936, 0.2909, 0.3491



89.9936, 0.2729, 0.2934



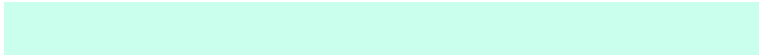
89.9936, 0.3341, 0.3099



89.9936, 0.3537, 0.3642

Rectangle

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



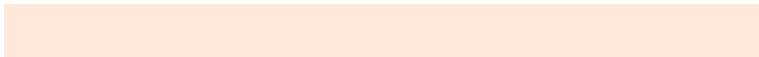
89.9936, 0.2909, 0.3491



89.9936, 0.2689, 0.3129



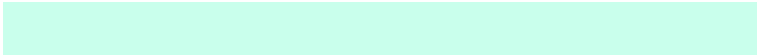
89.9936, 0.3341, 0.3099



89.9936, 0.3587, 0.3422

Sweetspot

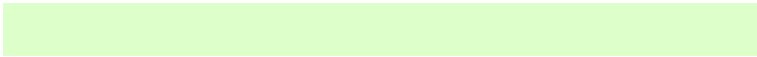
The Sweet Spot groups the original color and five complimentary colors.



89.9951, 0.2909, 0.3491



96.8716, 0.3064, 0.3343



91.0769, 0.3223, 0.3860



20.6647, 0.3057, 0.3348



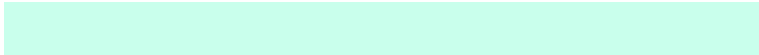
0.0000, 0.0000, 0.0000



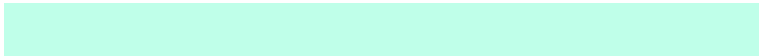
21.4041, 0.3127, 0.3290

Same Dimension

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



89.9951, 0.2909, 0.3491



88.4902, 0.2872, 0.3532



86.6480, 0.2805, 0.3214



20.3668, 0.3027, 0.3375



38.8286, 0.2579, 0.4485



3.8013, 0.2537, 0.4332

Inverse Universe

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



68.1953, 0.3409, 0.3098



63.4670, 0.3474, 0.3061



70.6835, 0.3541, 0.3365



18.0924, 0.3239, 0.3207



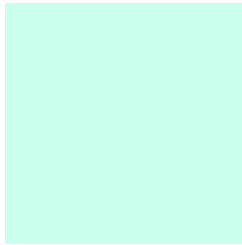
11.5158, 0.5579, 0.2847



1.1410, 0.5264, 0.2673

Previews

White Background



This preview shows how the Yxy color 89.9936, 0.2909, 0.3491 looks on a white background.

Color Contrast Check

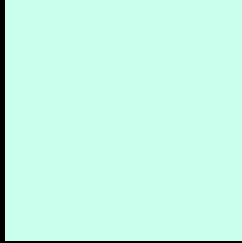
Large Text (above 18pt) WCAG AA × Fail

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 89.9936, 0.2909, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

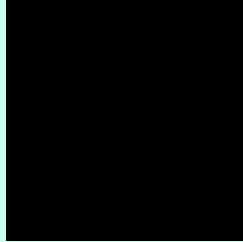
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

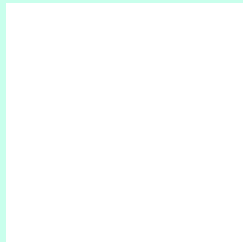
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9936, 0.2909, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 89.9936, 0.2909, 0.3491.

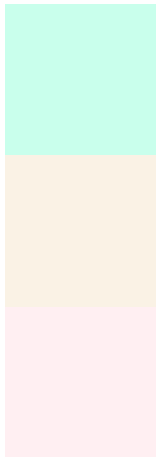


This preview shows how white text looks on a background with the Yxy color 89.9936, 0.2909, 0.3491.

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

89.9936, 0.2909, 0.3491

Protanopia

89.4854, 0.3260, 0.3419

Deuteranopia

89.4038, 0.3215, 0.3261



Tritanopia

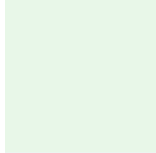
89.6255, 0.2963, 0.3199

Trichromacy



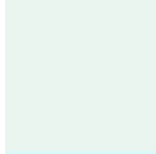
Original Color

89.9936, 0.2909, 0.3491



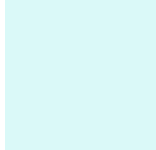
Protanomaly

89.5035, 0.3120, 0.3443



Deuteranomaly

89.2583, 0.3093, 0.3340



Tritanomaly

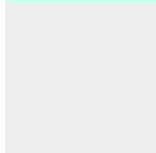
89.4341, 0.2942, 0.3300

Monochromacy



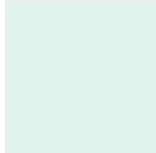
Original Color

89.9936, 0.2909, 0.3491



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.6631, 0.3041, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9936, 0.2909, 0.3491 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(201, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 89.9936, 0.2909, 0.3491 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(201, 255, 236) }
```

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

```
.border{ border-color:rgb(201, 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(201, 255, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9936, 0.2909, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 236) }
```

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

```
.background{ background-color: rgb(201,  
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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