

Converting Colors

$Y_{xy}(100.0000, 0.2857, 0.3624)$

Have a look what the booklet for
Yxy(100.0000, 0.2857, 0.3624)
contains.

Yxy(89.0895, 0.2849, 0.3461)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.0895, 0.2849, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	C1FFEF
RGB	193, 255, 239
RGB Percent	76%, 100%, 94%
CMY	0.2430, 0.0000, 0.0628
CMYK	0.24, 0.00, 0.06, 0.00
HSL	165°, 100%, 88%
HSV	165°, 24%, 100%
XYZ	73.3360, 89.0895, 94.9842
YIQ	234.6380, -31.8160, -18.1200

Conversions

Conversions Part 2

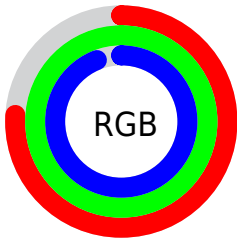
Format	Color
R_{YB}	193, 229, 255
Decimal	12713967
CIE _{Lab}	95.62, -22.52, 1.34
CIE _{LCh}	96, 22.556, 176.582
Yxy	89.0895, 0.2849, 0.3461
Android (android.graphics.Color)	4290904047 (0xFFC1FFEF)
YUV	234.6380, 2.1505, -36.5165
Hunter-Lab	94.3872, -26.4886, 6.4061

Details

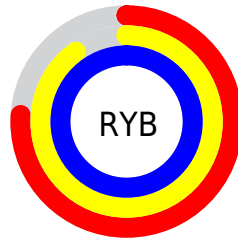
The Yxy color **89.0895, 0.2849, 0.3461** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.0178, 0.3508, 0.3126**, and the grayscale version is **82.7951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **49.2103, 0.2788, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **85.6424, 0.2748, 0.3543**, and if you desaturate by 10%, it is **93.1350, 0.2959, 0.3386**.

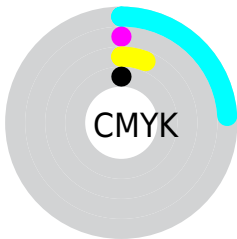
Distribution



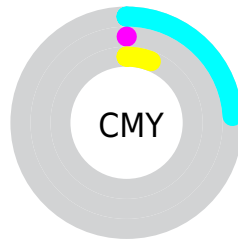
- Red (76%)
- Green (100%)
- Blue (94%)



- Red (76%)
- Yellow (90%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.0895, 0.2849, 0.3461 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 89.0895, 0.2849, 0.3461 by changing the saturation by 10% instead.


 89.0895, 0.2849,
0.3461

 89.0895, 0.2849,
0.3461


525.0646, 0.2973,
0.3384

 67.2257, 0.2822,
0.3478


 146.0730, 0.2891,
0.3435

 49.2681, 0.2788,
0.3499


181.9616, 0.2908,
0.3425

 34.8322, 0.2747,
0.3524


223.2938, 0.2922,
0.3416

 23.5336, 0.2694,
0.3558


270.4542, 0.2935,
0.3408

 14.9880, 0.2624,
0.3601

323.8270, 0.2946,
0.3401

 8.8110, 0.2528,
0.3663

383.7968, 0.2956,

 4.6181, 0.2386,

0.3395

0.3753

450.7478, 0.2965,
0.3389

■ 2.0250, 0.2157,
0.3901

■ 0.6219, 0.0333,
0.4989

■ 89.0895, 0.2849,
0.3461

■ 89.0895, 0.2849,
0.3461

■ 85.6424, 0.2748,
0.3543

■ 93.1350, 0.2959,
0.3386

■ 82.7543, 0.2659,
0.3630

■ 97.7970, 0.3076,
0.3317

■ 80.3959, 0.2586,
0.3722

■ 100.0000, 0.3127,
0.3290

■ 78.5316, 0.2530,
0.3818

■ 77.1209, 0.2494,
0.3915

■ 76.1170, 0.2478,
0.4014

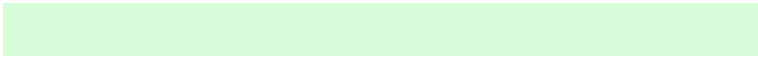
■ 75.4626, 0.2482,
0.4111

■ 75.1997, 0.2491,
0.4166

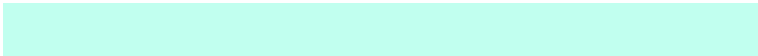
Harmonies

Analogous

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



89.0895, 0.3084, 0.3657



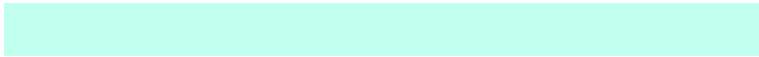
89.0895, 0.2849, 0.3461



89.0895, 0.2692, 0.3220

Triad

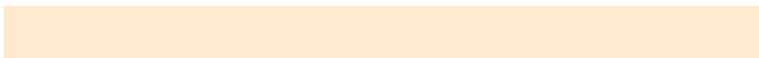
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0895, 0.2849, 0.3461



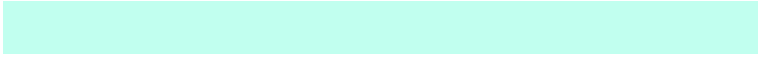
89.0895, 0.2907, 0.2874



89.0895, 0.3631, 0.3539

Complementary

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



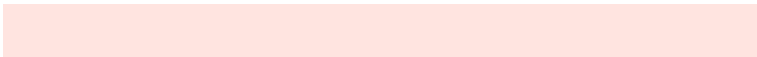
89.0895, 0.2849, 0.3461



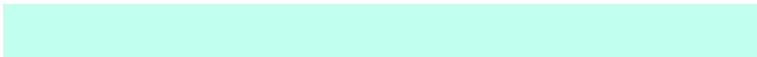
64.0178, 0.3508, 0.3126

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.



89.0895, 0.3582, 0.3332



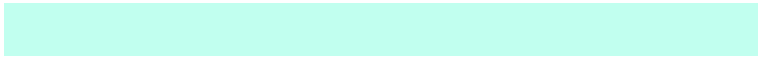
89.0895, 0.2849, 0.3461



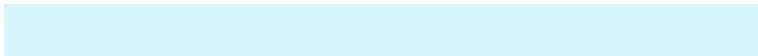
89.0895, 0.3155, 0.2959

Square

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



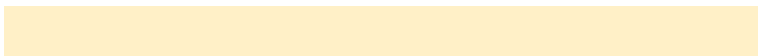
89.0895, 0.2849, 0.3461



89.0895, 0.2724, 0.2890



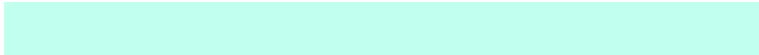
89.0895, 0.3405, 0.3123



89.0895, 0.3539, 0.3693

Rectangle

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



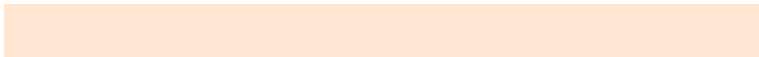
89.0895, 0.2849, 0.3461



89.0895, 0.2649, 0.3074



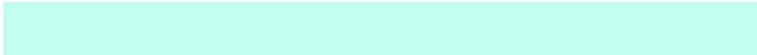
89.0895, 0.3405, 0.3123



89.0895, 0.3631, 0.3473

Sweetspot

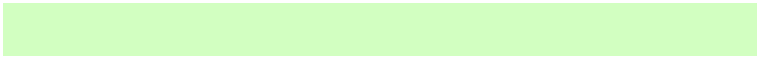
The Sweet Spot groups the original color and five complimentary colors.



89.0927, 0.2849, 0.3461



96.4769, 0.3044, 0.3335



89.0078, 0.3197, 0.3961



20.5882, 0.3037, 0.3339



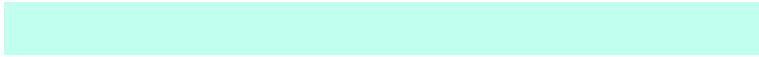
0.0000, 0.0000, 0.0000



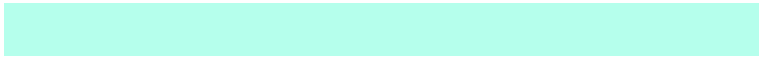
21.4041, 0.3127, 0.3290

Same Dimension

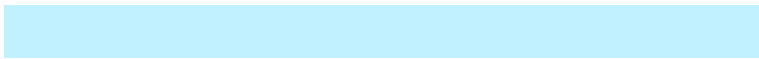
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0927, 0.2849, 0.3461



87.4000, 0.2800, 0.3499



81.1998, 0.2755, 0.3134



20.3966, 0.3015, 0.3352



39.3191, 0.2486, 0.4150



3.8462, 0.2455, 0.4039

Inverse Universe

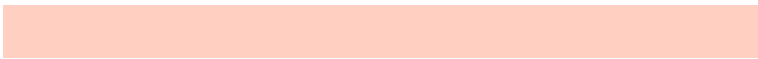
The Inverse Universe completely reimagines the original color for something new.



64.0178, 0.3508, 0.3126



58.5054, 0.3606, 0.3093



69.9742, 0.3604, 0.3440



18.0641, 0.3253, 0.3229



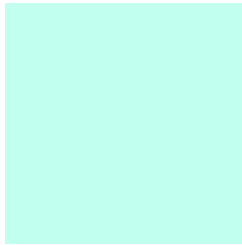
11.3340, 0.5909, 0.3029



1.1205, 0.5593, 0.2855

Previews

White Background



This preview shows how the Yxy color 89.0895, 0.2849, 0.3461 looks on a white background.

Color Contrast Check

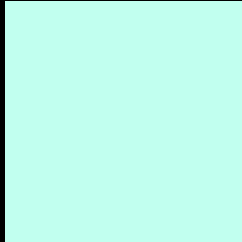
Large Text (above 18pt) WCAG AA × Fail

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 89.0895, 0.2849, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

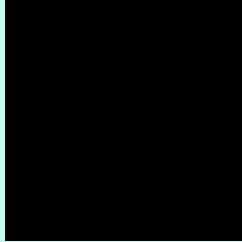
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

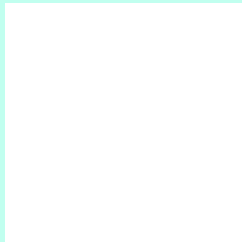
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0895, 0.2849, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 89.0895, 0.2849, 0.3461.

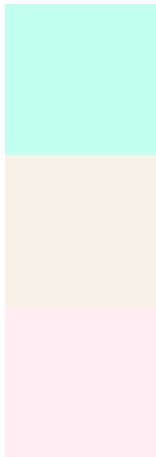


This preview shows how white text looks on a background with the Yxy color 89.0895, 0.2849, 0.3461.

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

89.0895, 0.2849, 0.3461

Protanopia

88.6366, 0.3235, 0.3390

Deuteranopia

88.2994, 0.3210, 0.3232



Tritanopia

88.9788, 0.2938, 0.3198

Trichromacy



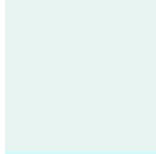
Original Color

89.0895, 0.2849, 0.3461



Protanomaly

88.3460, 0.3083, 0.3413



Deuteranomaly

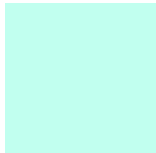
88.2680, 0.3062, 0.3310



Tritanomaly

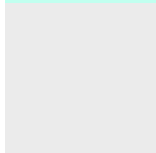
88.7371, 0.2907, 0.3289

Monochromacy



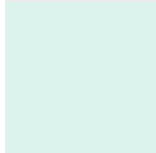
Original Color

89.0895, 0.2849, 0.3461



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7760, 0.3022, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0895, 0.2849, 0.3461 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(193, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 239)  
}
```

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(193, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 89.0895, 0.2849, 0.3461 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(193, 255, 239) }
```

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

```
.border{ border-color:rgb(193, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0895, 0.2849, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 239) }
```

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

```
.background{ background-color: rgb(193,  
255, 239) }
```

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