

Converting Colors

$Y_{xy}(135.0388, 0.2844, 0.3866)$

Have a look what the booklet for
Yxy(135.0388, 0.2844, 0.3866)
contains.

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Color

Yxy(90.8179, 0.2805, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFFE
RGB	199, 255, 254
RGB Percent	78%, 100%, 100%
CMY	0.2196, 0.0000, 0.0041
CMYK	0.22, 0.00, 0.00, 0.00
HSL	179°, 100%, 89%
HSV	179°, 22%, 100%
XYZ	77.1952, 90.8179, 107.1926
YIQ	238.1420, -33.0550, -12.1830

Conversions

Conversions Part 2

Format	Color
R_{YB}	199, 227, 255
Decimal	13107198
CIE Lab	96.34, -17.70, -5.28
CIE LCh	96, 18.470, 196.606
Yxy	90.8179, 0.2805, 0.3300
Android (android.graphics.Color)	4291297278 (0xFFC7FFFE)
YUV	238.1420, 7.8180, -34.3275
Hunter-Lab	95.2984, -22.1807, 0.0189

Details

The Yxy color **90.8179, 0.2805, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2747, 0.3568, 0.3281**, and the grayscale version is **85.5671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3487, 0.2740, 0.3302** is the 20% darker color. If you saturate the color by 10%, you get **87.5834, 0.2676, 0.3305**, and if you desaturate by 10%, it is **94.6296, 0.2946, 0.3295**.

Distribution



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



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8179, 0.2805, 0.3300 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 90.8179, 0.2805, 0.3300 by changing the saturation by 10% instead.


 90.8179, 0.2805,
0.3300

 90.8179, 0.2805,
0.3300

530.6879, 0.2947,
0.3297

 68.6592, 0.2774,
0.3300


148.4740, 0.2853,
0.3299

 50.4342, 0.2737,
0.3300


184.7401, 0.2872,
0.3299

 35.7585, 0.2690,
0.3300


226.4776, 0.2889,
0.3299

 24.2478, 0.2632,
0.3300

274.0707, 0.2903,
0.3298

 15.5175, 0.2555,
0.3298

327.9039, 0.2916,
0.3298

 9.1834, 0.2451,
0.3295

388.3616, 0.2927,

 4.8610, 0.2300,

0.3298

0.3287

455.8281, 0.2938,
0.3298

2.1659, 0.2066,
0.3267

0.7013, 0.1128,
0.3374

90.8179, 0.2805,
0.3300

90.8179, 0.2805,
0.3300

87.5834, 0.2676,
0.3305

94.6296, 0.2946,
0.3295

84.9079, 0.2562,
0.3311

99.0565, 0.3097,
0.3291

82.7562, 0.2465,
0.3316

100.0000, 0.3127,
0.3290

81.0936, 0.2387,
0.3322

■ 79.8809, 0.2329,
0.3328

■ 79.0734, 0.2290,
0.3334

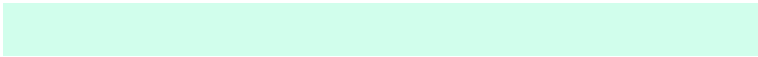
■ 78.6169, 0.2269,
0.3340

■ 78.4390, 0.2263,
0.3345

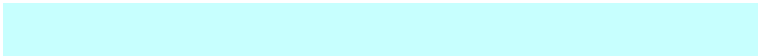
Harmonies

Analogous

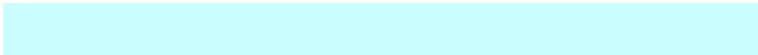
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8179, 0.2960, 0.3488



90.8179, 0.2805, 0.3300



90.8179, 0.2735, 0.3116

Triad

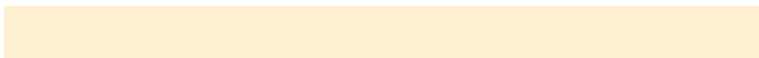
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.8179, 0.2805, 0.3300



90.8179, 0.3081, 0.2986



90.8179, 0.3499, 0.3586

Complementary

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



90.8179, 0.2805, 0.3300



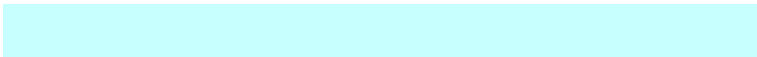
66.2747, 0.3568, 0.3281

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.



90.8179, 0.3536, 0.3442



90.8179, 0.2805, 0.3300



90.8179, 0.3290, 0.3103

Square

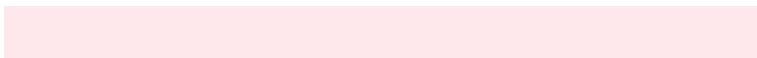
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



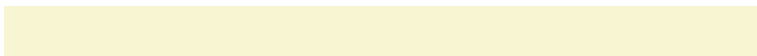
90.8179, 0.2805, 0.3300



90.8179, 0.2890, 0.2943



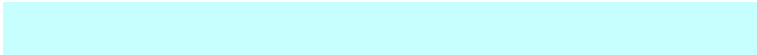
90.8179, 0.3458, 0.3267



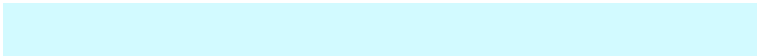
90.8179, 0.3361, 0.3654

Rectangle

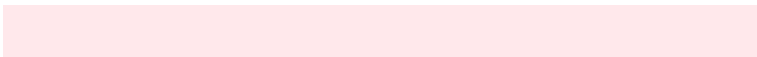
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



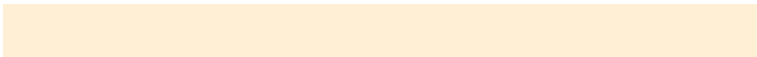
90.8179, 0.2805, 0.3300



90.8179, 0.2744, 0.3023



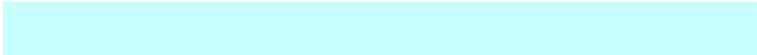
90.8179, 0.3458, 0.3267



90.8179, 0.3524, 0.3544

Sweetspot

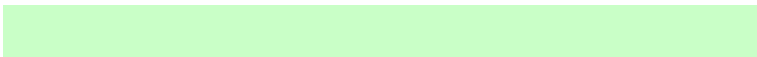
The Sweet Spot groups the original color and five complimentary colors.



90.8143, 0.2805, 0.3300



96.7490, 0.3020, 0.3293



88.0411, 0.3110, 0.3905



20.6514, 0.3011, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

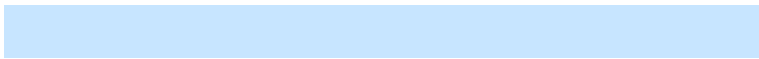
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8143, 0.2805, 0.3300



89.4415, 0.2751, 0.3302



75.3238, 0.2779, 0.3008



20.4753, 0.2983, 0.3294



40.9887, 0.2262, 0.3344



3.9927, 0.2260, 0.3337

Inverse Universe

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



66.2747, 0.3568, 0.3281



61.2409, 0.3676, 0.3279



79.3034, 0.3520, 0.3556



17.9925, 0.3292, 0.3286



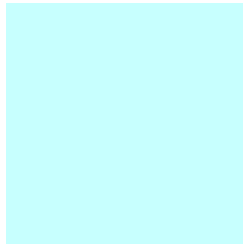
11.1166, 0.6382, 0.3289



1.0842, 0.6337, 0.3265

Previews

White Background



This preview shows how the Yxy color 90.8179, 0.2805, 0.3300 looks on a white background.

Color Contrast Check

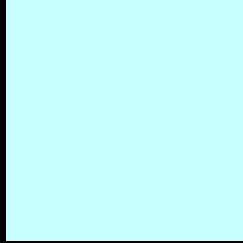
Large Text (above 18pt) WCAG AA × Fail

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 90.8179, 0.2805, 0.3300 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 90.8179, 0.2805, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 90.8179, 0.2805, 0.3300.

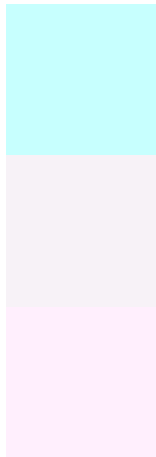


This preview shows how white text looks on a background with the Yxy color 90.8179, 0.2805, 0.3300.

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

90.8179, 0.2805, 0.3300

Protanopia

89.9938, 0.3129, 0.3241

Deuteranopia

90.0849, 0.3147, 0.3155



Tritanopia

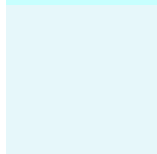
90.3995, 0.2969, 0.3209

Trichromacy



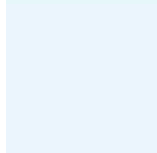
Original Color

90.8179, 0.2805, 0.3300



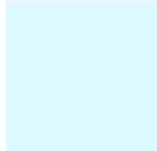
Protanomaly

90.2467, 0.3003, 0.3259



Deuteranomaly

90.0588, 0.3017, 0.3210



Tritanomaly

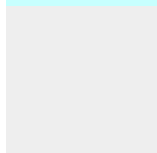
90.4966, 0.2904, 0.3238

Monochromacy



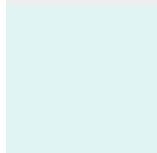
Original Color

90.8179, 0.2805, 0.3300



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.0803, 0.3000, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8179, 0.2805, 0.3300 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 90.8179, 0.2805, 0.3300 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, 254) }
```

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

```
.border{ border-color:rgb(199, 255, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8179, 0.2805, 0.3300 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, 254) }
```

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

```
.background{ background-color: rgb(199,  
255, 254) }
```

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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