

Converting Colors

$Yxy(90.9837, 0.2765, 0.3195)$

Have a look what the booklet for
Yxy(90.9837, 0.2765, 0.3195)
contains.

Yxy(90.3830, 0.2804, 0.3279)	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(90.3830, 0.2804, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	C8FEFF
RGB	200, 254, 255
RGB Percent	78%, 100%, 100%
CMY	0.2161, 0.0038, 0.0000
CMYK	0.22, 0.00, 0.00, 0.00
HSL	181°, 100%, 89%
HSV	181°, 22%, 100%
XYZ	77.2900, 90.3830, 107.9690
YIQ	237.9680, -32.5050, -11.1370

Conversions

Conversions Part 2

Format	Color
R_{YB}	200, 227, 255
Decimal	13172479
CIE _{Lab}	96.16, -16.74, -6.07
CIE _{LCh}	96, 17.801, 199.928
Yxy	90.3830, 0.2804, 0.3279
Android (android.graphics.Color)	4291362559 (0xFFC8FEFF)
YUV	237.9680, 8.3968, -33.2979
Hunter-Lab	95.0700, -21.2555, -0.7854

Details

The Yxy color **90.3830, 0.2804, 0.3279** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1340, 0.3565, 0.3301**, and the grayscale version is **85.4149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0295, 0.2739, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **86.8837, 0.2671, 0.3273**, and if you desaturate by 10%, it is **94.4757, 0.2949, 0.3284**.

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 90.3830, 0.2804, 0.3279 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 90.3830, 0.2804, 0.3279 by changing the saturation by 10% instead.


 90.3830, 0.2804,
0.3279

 90.3830, 0.2804,
0.3279


529.2759, 0.2947,
0.3286

 68.2983, 0.2773,
0.3277

147.8703, 0.2852,
0.3282

 50.1405, 0.2735,
0.3275


184.0417, 0.2871,
0.3283

 35.5250, 0.2689,
0.3271


225.6775, 0.2888,
0.3283

 24.0676, 0.2630,
0.3267

273.1621, 0.2902,
0.3284

 15.3838, 0.2553,
0.3260

326.8798, 0.2915,
0.3285

 9.0892, 0.2448,
0.3249

387.2151, 0.2927,

 4.7994, 0.2297,

0.3285

454.5523, 0.2937,
0.3285

0.3230

2.1300, 0.2062,
0.3192

0.6814, 0.1138,
0.3243

90.3830, 0.2804,
0.3279

90.3830, 0.2804,
0.3279

86.8837, 0.2671,
0.3273

94.4757, 0.2949,
0.3284

83.9377, 0.2554,
0.3268

99.1777, 0.3102,
0.3289

81.5172, 0.2453,
0.3262

99.9993, 0.3127,
0.3290

79.5876, 0.2371,
0.3256

■ 78.1101, 0.2309,
0.3250

■ 77.0399, 0.2266,
0.3244

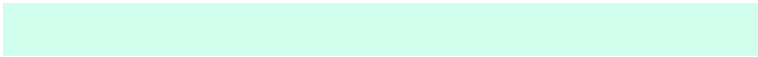
■ 76.3235, 0.2242,
0.3238

■ 75.9264, 0.2232,
0.3233

Harmonies

Analogous

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



90.3830, 0.2946, 0.3463



90.3830, 0.2804, 0.3279



90.3830, 0.2747, 0.3106

Triad

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



90.3830, 0.2804, 0.3279



90.3830, 0.3105, 0.3006



90.3830, 0.3476, 0.3587

Complementary

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



90.3830, 0.2804, 0.3279



67.1340, 0.3565, 0.3301

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.



90.3830, 0.3523, 0.3455



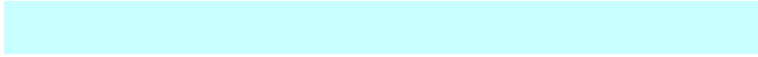
90.3830, 0.2804, 0.3279



90.3830, 0.3305, 0.3125

Square

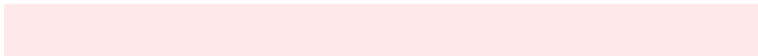
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.3830, 0.2804, 0.3279



90.3830, 0.2916, 0.2956



90.3830, 0.3460, 0.3287



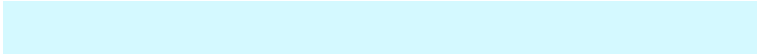
90.3830, 0.3334, 0.3643

Rectangle

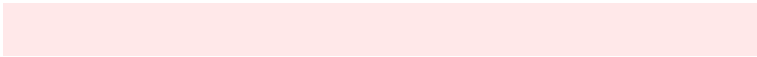
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



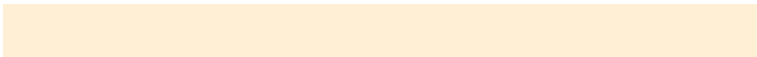
90.3830, 0.2804, 0.3279



90.3830, 0.2763, 0.3020



90.3830, 0.3460, 0.3287



90.3830, 0.3504, 0.3550

Sweetspot

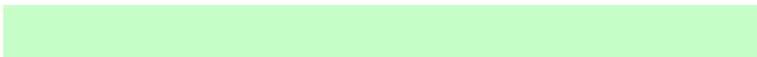
The Sweet Spot groups the original color and five complimentary colors.



90.3867, 0.2804, 0.3279



97.0426, 0.3034, 0.3287



87.9878, 0.3094, 0.3885



20.7051, 0.3024, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

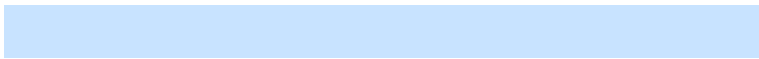
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3867, 0.2804, 0.3279



88.7846, 0.2744, 0.3277



74.1660, 0.2783, 0.2983



20.4238, 0.2980, 0.3285



39.7019, 0.2232, 0.3234



3.8823, 0.2234, 0.3241

Inverse Universe

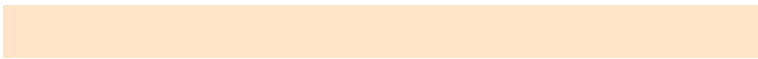
The Inverse Universe completely reimagines the original color for something new.



69.6796, 0.3159, 0.2760



64.6720, 0.3166, 0.2651



81.1112, 0.3507, 0.3579



18.2946, 0.3141, 0.3060



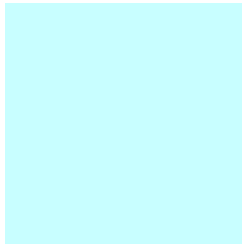
14.7359, 0.3253, 0.1566



1.4365, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 90.3830, 0.2804, 0.3279 looks on a white background.

Color Contrast Check

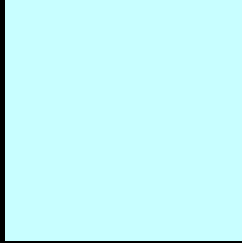
Large Text (above 18pt) WCAG AA × Fail

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 90.3830, 0.2804, 0.3279 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

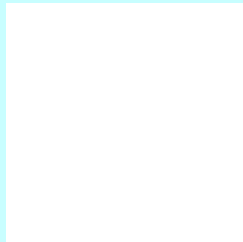
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3830, 0.2804, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 90.3830, 0.2804, 0.3279.

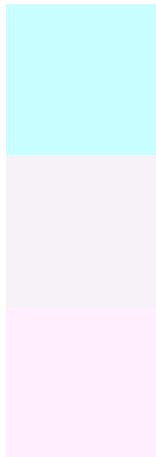


This preview shows how white text looks on a background with the Yxy color 90.3830, 0.2804, 0.3279.

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

90.3830, 0.2804, 0.3279

Protanopia

89.8744, 0.3117, 0.3231

Deuteranopia

89.5648, 0.3141, 0.3136



Tritanopia

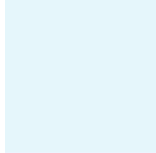
90.2355, 0.2963, 0.3209

Trichromacy



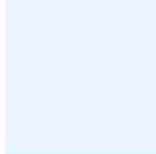
Original Color

90.3830, 0.2804, 0.3279



Protanomaly

89.5346, 0.2991, 0.3239



Deuteranomaly

89.5193, 0.3011, 0.3190



Tritanomaly

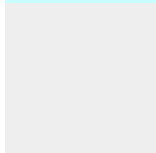
90.4966, 0.2904, 0.3238

Monochromacy



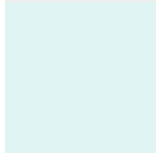
Original Color

90.3830, 0.2804, 0.3279



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 90.3830, 0.2804, 0.3279 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(200, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 254, 255)  
}
```

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(200, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.3830, 0.2804, 0.3279 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(200, 254, 255) }
```

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

```
.border{ border-color:rgb(200, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3830, 0.2804, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 254, 255) }
```

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

```
.background{ background-color: rgb(200,  
254, 255) }
```

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