

# Converting Colors

$Yxy(90.0297, 0.2825, 0.3372)$

Have a look what the booklet for  
Yxy(90.0297, 0.2825, 0.3372)  
contains.

<b>Yxy(89.9712, 0.2824, 0.3374)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(89.9712, 0.2824, 0.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FFF7
RGB	196, 255, 247
RGB Percent	77%, 100%, 97%
CMY	0.2315, 0.0000, 0.0314
CMYK	0.23, 0.00, 0.03, 0.00
HSL	172°, 100%, 88%
HSV	172°, 23%, 100%
XYZ	75.3049, 89.9712, 101.3843
YIQ	236.4470, -32.5960, -14.9960

# Conversions

## Conversions Part 2

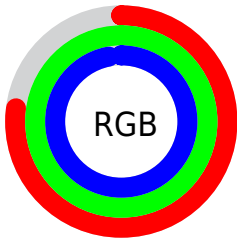
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 228, 255
Decimal	12910583
CIE <sub>Lab</sub>	95.98, -20.03, -2.22
CIE <sub>LCh</sub>	96, 20.153, 186.330
Y <sub>xy</sub>	89.9712, 0.2824, 0.3374
Android (android.graphics.Color)	4291100663 (0xFFC4FFF7)
Y <sub>UV</sub>	236.4470, 5.2026, -35.4720
Hunter-Lab	94.8531, -24.2800, 3.0248

# Details

The Yxy color **89.9712, 0.2824, 0.3374** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0825, 0.3543, 0.3209**, and the grayscale version is **84.2092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **49.8125, 0.2758, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **86.6212, 0.2709, 0.3415**, and if you desaturate by 10%, it is **93.8957, 0.2950, 0.3336**.

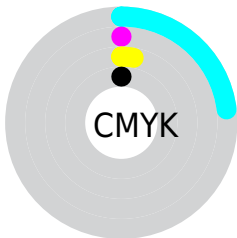
# Distribution



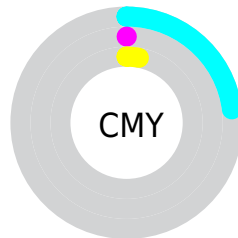
- Red (77%)
- Green (100%)
- Blue (97%)



- Red (77%)
- Yellow (89%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.9712, 0.2824, 0.3374 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 89.9712, 0.2824, 0.3374 by changing the saturation by 10% instead.




 89.9712, 0.2824,  
0.3374

 89.9712, 0.2824,  
0.3374

527.9372, 0.2958,  
0.3338

 67.9568, 0.2795,  
0.3382

147.2984, 0.2870,  
0.3362

 49.8626, 0.2759,  
0.3391


183.3799, 0.2888,  
0.3357

 35.3042, 0.2715,  
0.3403


224.9193, 0.2903,  
0.3353

 23.8973, 0.2659,  
0.3417

272.3008, 0.2917,  
0.3349

 15.2575, 0.2585,  
0.3436

325.9090, 0.2929,  
0.3346

 9.0003, 0.2484,  
0.3461


386.1282, 0.2940,


 4.7414, 0.2337,


0.3343


0.3496


453.3428, 0.2950,  
0.3340


 2.0963, 0.2105,  
0.3547


 0.6626, 0.0838,  
0.3944


 89.9712, 0.2824,  
0.3374


 89.9712, 0.2824,  
0.3374


 86.6212, 0.2709,  
0.3415


 93.8957, 0.2950,  
0.3336

 83.8321, 0.2607,  
0.3459

 98.4378, 0.3084,  
0.3300


 81.5667, 0.2521,  
0.3505

 100.0000, 0.3127,  
0.3290

 79.7898, 0.2453,  
0.3553

 78.4617, 0.2406,  
0.3601

 77.5367, 0.2377,  
0.3649

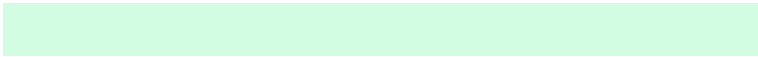
 76.9591, 0.2368,  
0.3697

 76.7088, 0.2369,  
0.3730

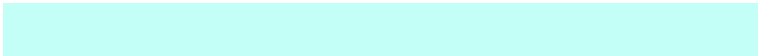
# Harmonies

## Analogous

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



89.9712, 0.3016, 0.3567



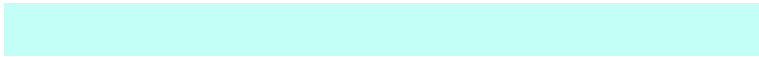
89.9712, 0.2824, 0.3374



89.9712, 0.2713, 0.3163

# Triad

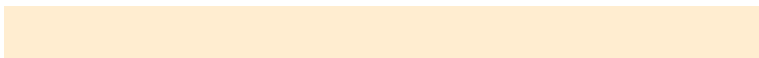
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9712, 0.2824, 0.3374



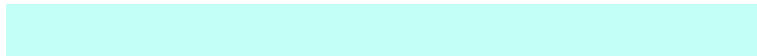
89.9712, 0.2999, 0.2933



89.9712, 0.3562, 0.3566

# Complementary

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



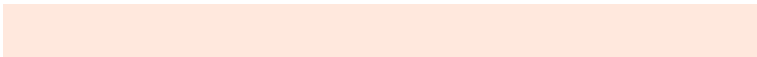
89.9712, 0.2824, 0.3374



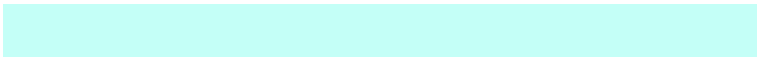
65.0825, 0.3543, 0.3209

# 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.



89.9712, 0.3560, 0.3391



89.9712, 0.2824, 0.3374



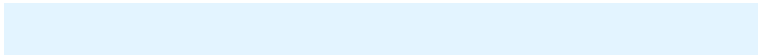
89.9712, 0.3228, 0.3035

# Square

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



89.9712, 0.2824, 0.3374



89.9712, 0.2811, 0.2917



89.9712, 0.3436, 0.3200

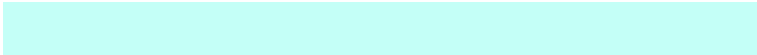


89.9712, 0.3445, 0.3675



# Rectangle

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



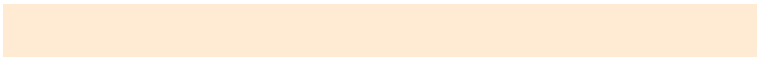
89.9712, 0.2824, 0.3374



89.9712, 0.2698, 0.3045



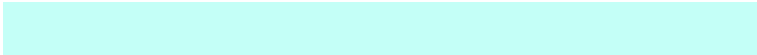
89.9712, 0.3436, 0.3200



89.9712, 0.3576, 0.3512

# Sweetspot

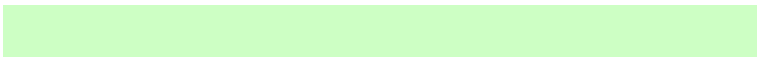
The Sweet Spot groups the original color and five complimentary colors.



89.9659, 0.2824, 0.3374



96.6154, 0.3032, 0.3314



88.4575, 0.3151, 0.3934



20.6203, 0.3024, 0.3316



0.0000, 0.0000, 0.0000

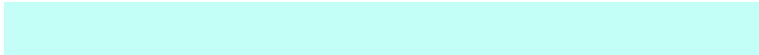


21.4041, 0.3127, 0.3290

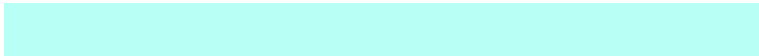


# Same Dimension

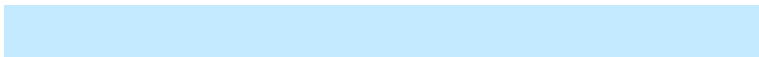
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9659, 0.2824, 0.3374



88.2728, 0.2766, 0.3394



77.9892, 0.2766, 0.3067



20.4366, 0.2998, 0.3322



40.0985, 0.2367, 0.3722



3.9155, 0.2352, 0.3667



# Inverse Universe

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



65.0825, 0.3543, 0.3209



59.2381, 0.3660, 0.3191



74.6777, 0.3561, 0.3503



18.0272, 0.3273, 0.3258



11.1831, 0.6227, 0.3204

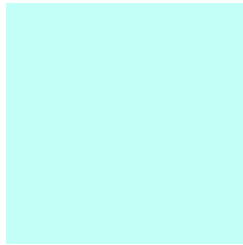


1.1006, 0.5970, 0.3062



# Previews

## White Background



This preview shows how the Yxy color 89.9712, 0.2824, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

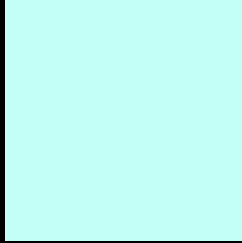
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.9712, 0.2824, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

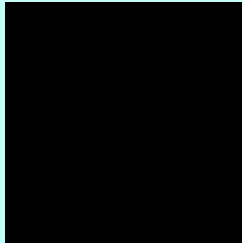
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.9712, 0.2824, 0.3374**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.9712, 0.2824, 0.3374.

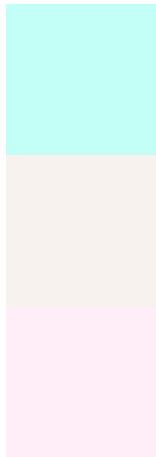


This preview shows how white text looks on a background with the Yxy color 89.9712, 0.2824, 0.3374.

# 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

89.9712, 0.2824, 0.3374

### Protanopia

89.6927, 0.3185, 0.3320

### Deuteranopia

89.1864, 0.3178, 0.3193



## Tritanopia

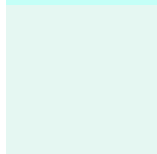
89.4624, 0.2957, 0.3199

# Trichromacy



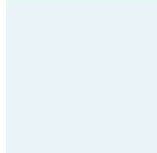
## Original Color

89.9712, 0.2824, 0.3374



## Protanomaly

89.5903, 0.3043, 0.3341



## Deuteranomaly

88.9711, 0.3040, 0.3250



## Tritanomaly

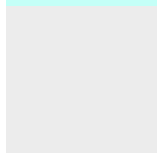
89.3786, 0.2908, 0.3259

# Monochromacy



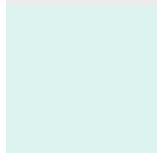
## Original Color

89.9712, 0.2824, 0.3374



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.7646, 0.3005, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.9712, 0.2824, 0.3374 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(196, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 247)  
}
```

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(196, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 89.9712, 0.2824, 0.3374 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(196, 255, 247) }
```

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

```
.border{ border-color:rgb(196, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.9712, 0.2824, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 247) }
```

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

```
.background{ background-color: rgb(196,  
255, 247) }
```

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