

# Converting Colors

$Y_{xy}(100.0000, 0.2890, 0.3590)$

Have a look what the booklet for  
Yxy(100.0000, 0.2890, 0.3590)  
contains.

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# Color

**Yxy(90.2884, 0.2883, 0.3437)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FFF1
RGB	201, 255, 241
RGB Percent	79%, 100%, 95%
CMY	0.2116, 0.0000, 0.0548
CMYK	0.21, 0.00, 0.05, 0.00
HSL	164°, 100%, 89%
HSV	164°, 21%, 100%
XYZ	75.7351, 90.2884, 96.6719
YIQ	237.2580, -27.6900, -15.8020

# Conversions

## Conversions Part 2

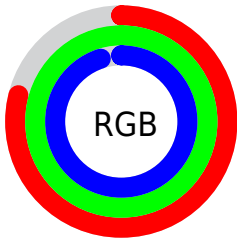
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 232, 255
Decimal	13238257
CIE <sub>Lab</sub>	96.12, -19.72, 1.08
CIE <sub>LCh</sub>	96, 19.747, 176.868
Yxy	90.2884, 0.2883, 0.3437
Android (android.graphics.Color)	4291428337 (0xFFC9FFF1)
YUV	237.2580, 1.8448, -31.7983
Hunter-Lab	95.0202, -24.0134, 6.1935

# Details

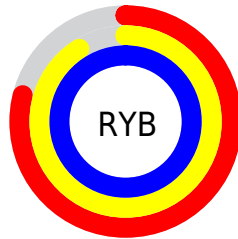
The Yxy color **90.2884, 0.2883, 0.3437** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9587, 0.3447, 0.3148**, and the grayscale version is **84.9077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0019, 0.2830, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **86.6581, 0.2779, 0.3517**, and if you desaturate by 10%, it is **94.5271, 0.2995, 0.3364**.

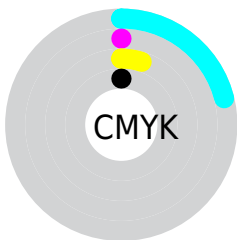
# Distribution



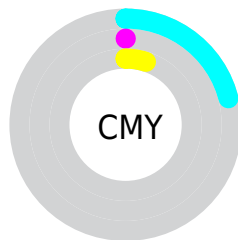
- Red (79%)
- Green (100%)
- Blue (95%)



- Red (79%)
- Yellow (91%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2884, 0.2883, 0.3437 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 90.2884, 0.2883, 0.3437 by changing the saturation by 10% instead.



 90.2884, 0.2883,  
0.3437

 90.2884, 0.2883,  
0.3437

528.9686, 0.2992,  
0.3371

 68.2199, 0.2859,  
0.3451


147.7389, 0.2920,  
0.3415

 50.0766, 0.2830,  
0.3469


183.8897, 0.2935,  
0.3406

 35.4743, 0.2794,  
0.3491


225.5034, 0.2947,  
0.3398

 24.0285, 0.2748,  
0.3519

272.9643, 0.2958,  
0.3392

 15.3547, 0.2687,  
0.3556

326.6569, 0.2968,  
0.3386

 9.0687, 0.2603,  
0.3608

386.9655, 0.2977,

 4.7860, 0.2480,

0.3380

0.3684

454.2746, 0.2985,  
0.3376

2.1223, 0.2283,  
0.3808

0.6771, 0.1081,  
0.4511

90.2884, 0.2883,  
0.3437

90.2884, 0.2883,  
0.3437

86.6581, 0.2779,  
0.3517

94.5271, 0.2995,  
0.3364

83.5959, 0.2686,  
0.3603

99.3901, 0.3113,  
0.3297

81.0741, 0.2607,  
0.3694

99.9965, 0.3127,  
0.3290

79.0580, 0.2546,  
0.3789

■ 77.5089, 0.2504,  
0.3886

■ 76.3822, 0.2482,  
0.3985

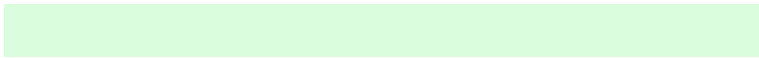
■ 75.6246, 0.2479,  
0.4082

■ 75.1891, 0.2491,  
0.4168

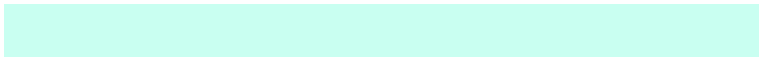
# Harmonies

## Analogous

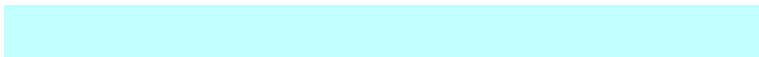
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2884, 0.3088, 0.3607



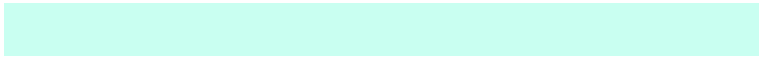
90.2884, 0.2883, 0.3437



90.2884, 0.2746, 0.3229

# Triad

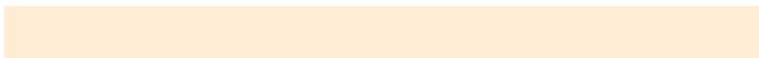
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2884, 0.2883, 0.3437



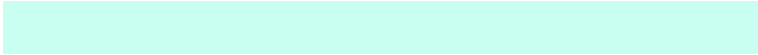
90.2884, 0.2937, 0.2925



90.2884, 0.3566, 0.3511

# Complementary

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



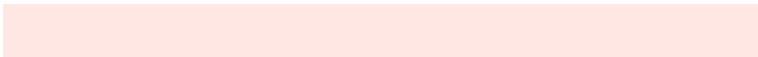
90.2884, 0.2883, 0.3437



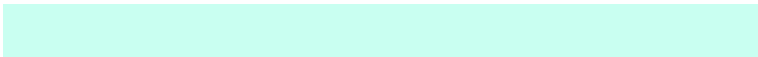
67.9587, 0.3447, 0.3148

# 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.



90.2884, 0.3524, 0.3330



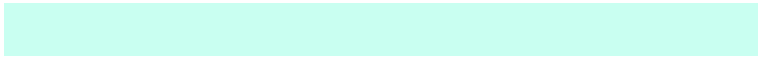
90.2884, 0.2883, 0.3437



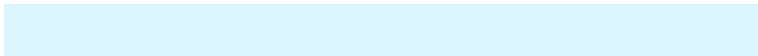
90.2884, 0.3155, 0.3000

# Square

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



90.2884, 0.2883, 0.3437



90.2884, 0.2776, 0.2940



90.2884, 0.3371, 0.3146

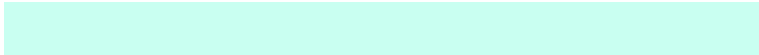


90.2884, 0.3485, 0.3643



# Rectangle

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



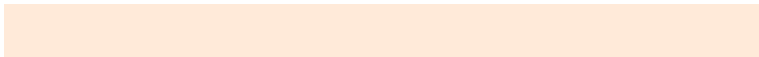
90.2884, 0.2883, 0.3437



90.2884, 0.2708, 0.3102



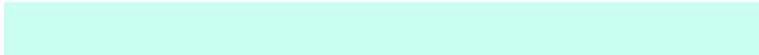
90.2884, 0.3371, 0.3146



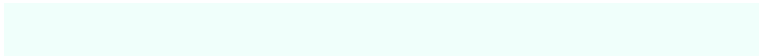
90.2884, 0.3566, 0.3454

# Sweetspot

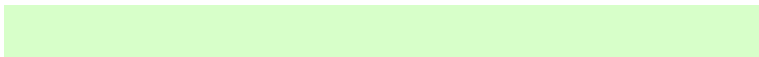
The Sweet Spot groups the original color and five complimentary colors.



90.2921, 0.2883, 0.3437



96.9602, 0.3056, 0.3329



90.2477, 0.3189, 0.3865



20.6857, 0.3048, 0.3333



0.0000, 0.0000, 0.0000

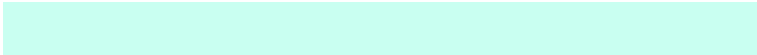


21.4041, 0.3127, 0.3290

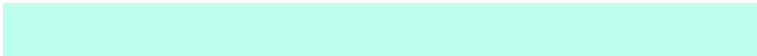


# Same Dimension

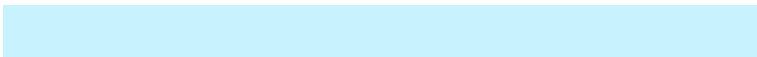
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2921, 0.2883, 0.3437



88.8308, 0.2842, 0.3467



83.3889, 0.2802, 0.3156



20.3964, 0.3015, 0.3352



39.3155, 0.2487, 0.4152



3.8459, 0.2456, 0.4041



# Inverse Universe

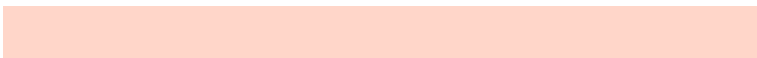
The Inverse Universe completely reimagines the original color for something new.



67.9587, 0.3447, 0.3148



63.1729, 0.3522, 0.3121



73.3845, 0.3530, 0.3420



18.0643, 0.3253, 0.3229



11.3350, 0.5907, 0.3028

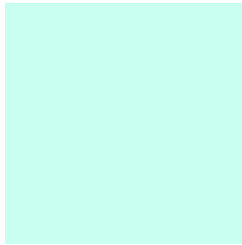


1.1206, 0.5591, 0.2854



# Previews

## White Background



This preview shows how the Yxy color 90.2884, 0.2883, 0.3437 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

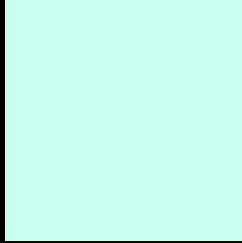
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.2884, 0.2883, 0.3437 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

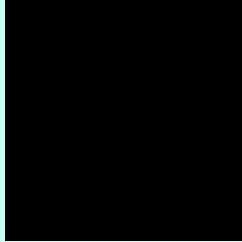
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

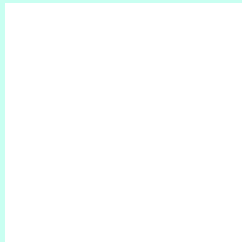
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.2884, 0.2883, 0.3437**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.2884, 0.2883, 0.3437.

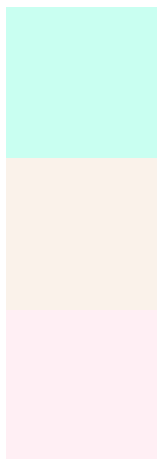


This preview shows how white text looks on a background with the Yxy color 90.2884, 0.2883, 0.3437.

# 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

90.2884, 0.2883, 0.3437

### Protanopia

89.7688, 0.3229, 0.3369

### Deuteranopia

89.5247, 0.3202, 0.3242



## Tritanopia

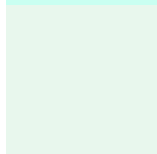
89.7895, 0.2969, 0.3199

# Trichromacy



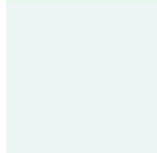
## Original Color

90.2884, 0.2883, 0.3437



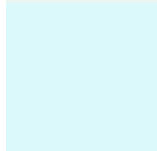
## Protanomaly

89.7918, 0.3091, 0.3391



## Deuteranomaly

89.4380, 0.3075, 0.3310



## Tritanomaly

89.7136, 0.2937, 0.3279

# Monochromacy



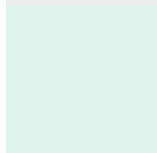
## Original Color

90.2884, 0.2883, 0.3437



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

86.7217, 0.3035, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.2884, 0.2883, 0.3437 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 90.2884, 0.2883, 0.3437 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, 241) }
```

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

```
.border{ border-color:rgb(201, 255, 241) }
```

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, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.2884, 0.2883, 0.3437 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, 241) }
```

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

```
.background{ background-color: rgb(201,  
255, 241) }
```

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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