

# Converting Colors

$Y_{xy}(134.2648, 0.2851, 0.3871)$

Have a look what the booklet for  
Yxy(134.2648, 0.2851, 0.3871)  
contains.

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# **Color**

**Yxy(90.7540, 0.2810, 0.3310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FFFD
RGB	199, 255, 253
RGB Percent	78%, 100%, 99%
CMY	0.2195, 0.0000, 0.0078
CMYK	0.22, 0.00, 0.01, 0.00
HSL	178°, 100%, 89%
HSV	178°, 22%, 100%
XYZ	77.0449, 90.7540, 106.3823
YIQ	238.0280, -32.7340, -12.4940

# Conversions

## Conversions Part 2

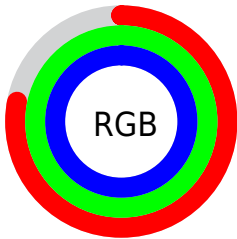
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 228, 255
Decimal	13107197
CIE Lab	96.31, -17.89, -4.82
CIE LCh	96, 18.528, 195.083
Yxy	90.7540, 0.2810, 0.3310
Android (android.graphics.Color)	4291297277 (0xFFC7FFFD)
YUV	238.0280, 7.3812, -34.2276
Hunter-Lab	95.2649, -22.3527, 0.4763

# Details

The Yxy color **90.7540, 0.2810, 0.3310** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3319, 0.3561, 0.3271**, and the grayscale version is **85.4867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3030, 0.2746, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **87.4969, 0.2683, 0.3320**, and if you desaturate by 10%, it is **94.5998, 0.2949, 0.3300**.

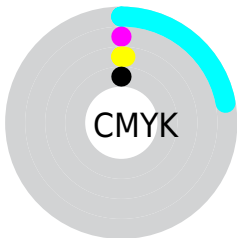
# Distribution



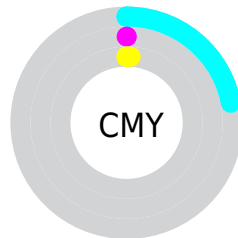
- Red (78%)
- Green (100%)
- Blue (99%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.7540, 0.2810, 0.3310 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 90.7540, 0.2810, 0.3310 by changing the saturation by 10% instead.




 90.7540, 0.2810,  
0.3310

 90.7540, 0.2810,  
0.3310

530.4805, 0.2950,  
0.3303

 68.6062, 0.2780,  
0.3311


148.3853, 0.2857,  
0.3308

 50.3910, 0.2743,  
0.3313

184.6375, 0.2876,  
0.3307

 35.7242, 0.2697,  
0.3314


226.3601, 0.2892,  
0.3306

 24.2213, 0.2639,  
0.3316

273.9373, 0.2907,  
0.3305

 15.4978, 0.2564,  
0.3317

327.7535, 0.2919,  
0.3305

 9.1695, 0.2460,  
0.3317

388.1932, 0.2931,

 4.8519, 0.2312,

0.3304

455.6408, 0.2941,  
0.3303

0.3315

2.1606, 0.2079,  
0.3305

0.6984, 0.1119,  
0.3442

90.7540, 0.2810,  
0.3310

90.7540, 0.2810,  
0.3310

87.4969, 0.2683,  
0.3320

94.5998, 0.2949,  
0.3300


84.7934, 0.2570,  
0.3331


99.0554, 0.3097,  
0.3292

82.6140, 0.2474,  
0.3343


100.0000, 0.3127,  
0.3290

80.9238, 0.2398,  
0.3354

 79.6838, 0.2341,  
0.3366

 78.8493, 0.2303,  
0.3378

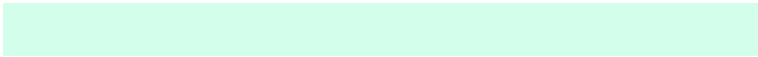
 78.3660, 0.2283,  
0.3390

 78.1667, 0.2278,  
0.3399

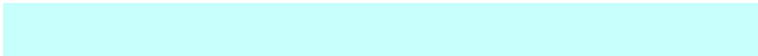
# Harmonies

## Analogous

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



90.7540, 0.2969, 0.3497



90.7540, 0.2810, 0.3310



90.7540, 0.2735, 0.3124

# Triad

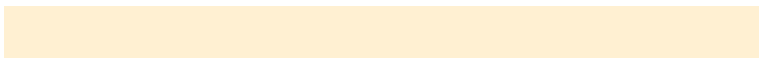
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7540, 0.2810, 0.3310



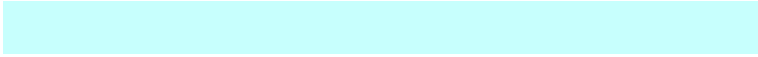
90.7540, 0.3070, 0.2981



90.7540, 0.3505, 0.3581

# Complementary

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



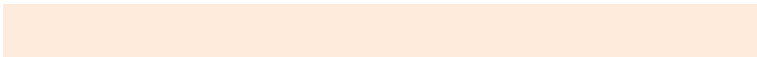
90.7540, 0.2810, 0.3310



66.3319, 0.3561, 0.3271

# 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.



90.7540, 0.3536, 0.3434



90.7540, 0.2810, 0.3310



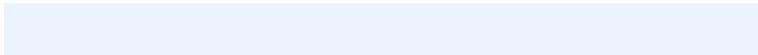
90.7540, 0.3280, 0.3095

# Square

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



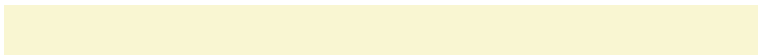
90.7540, 0.2810, 0.3310



90.7540, 0.2881, 0.2942



90.7540, 0.3453, 0.3258

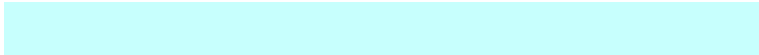


90.7540, 0.3371, 0.3654

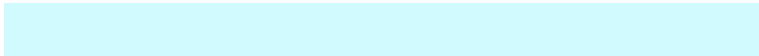


# Rectangle

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



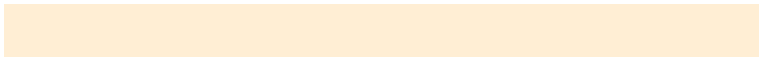
90.7540, 0.2810, 0.3310



90.7540, 0.2741, 0.3028



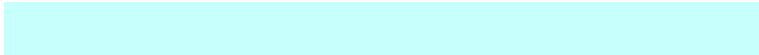
90.7540, 0.3453, 0.3258



90.7540, 0.3528, 0.3538

# Sweetspot

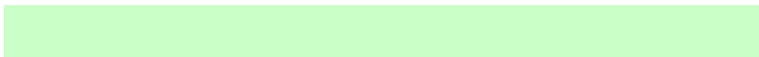
The Sweet Spot groups the original color and five complimentary colors.



90.7560, 0.2810, 0.3310



96.7293, 0.3022, 0.3296



88.1750, 0.3115, 0.3903



20.6468, 0.3013, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

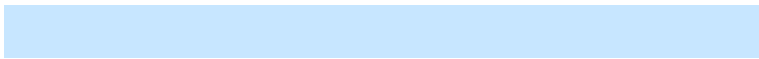
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7560, 0.2810, 0.3310



89.3688, 0.2757, 0.3314



75.8505, 0.2780, 0.3019



20.4696, 0.2985, 0.3298



40.8488, 0.2277, 0.3397



3.9807, 0.2273, 0.3384



# Inverse Universe

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



66.3319, 0.3561, 0.3271



61.2909, 0.3666, 0.3267



78.8078, 0.3522, 0.3547



17.9976, 0.3289, 0.3282



11.1238, 0.6365, 0.3280

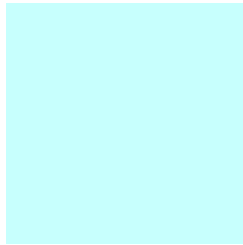


1.0866, 0.6279, 0.3233



# Previews

## White Background



This preview shows how the Yxy color 90.7540, 0.2810, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

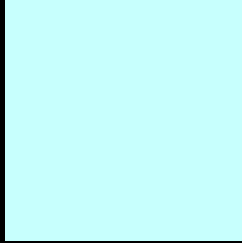
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.7540, 0.2810, 0.3310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

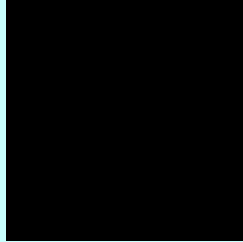
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

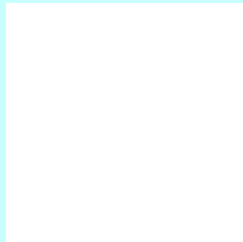
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.7540, 0.2810, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.7540, 0.2810, 0.3310.

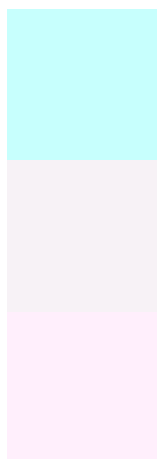


This preview shows how white text looks on a background with the Yxy color 90.7540, 0.2810, 0.3310.

# 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

90.7540, 0.2810, 0.3310

### Protanopia

89.9322, 0.3136, 0.3251

### Deuteranopia

90.0213, 0.3153, 0.3165



## Tritanopia

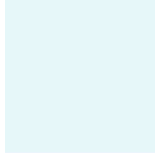
90.3995, 0.2969, 0.3209

# Trichromacy



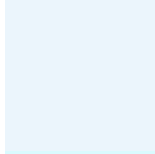
## Original Color

90.7540, 0.2810, 0.3310



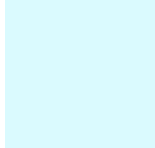
## Protanomaly

90.1841, 0.3009, 0.3270



## Deuteranomaly

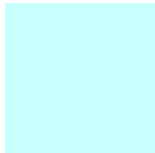
89.9953, 0.3023, 0.3220



## Tritanomaly

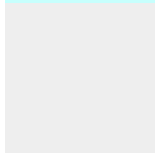
90.4324, 0.2909, 0.3249

# Monochromacy



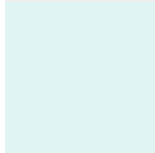
## Original Color

90.7540, 0.2810, 0.3310



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

87.0197, 0.3006, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.7540, 0.2810, 0.3310 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 90.7540, 0.2810, 0.3310 is called "border". The border property can be set on classes, ids or directly on the HTML element.

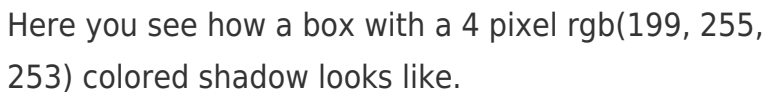
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 255, 253) }
```

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

```
.border{ border-color:rgb(199, 255, 253) }
```

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, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.7540, 0.2810, 0.3310 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, 253) }
```

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

```
.background{ background-color: rgb(199,  
255, 253) }
```

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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