

# Converting Colors

$Yxy(90.3107, 0.2837, 0.3373)$

Have a look what the booklet for  
Yxy(90.3107, 0.2837, 0.3373)  
contains.

<b>Yxy(90.2412, 0.2835, 0.3374)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(90.2412, 0.2835, 0.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFF7
RGB	198, 255, 247
RGB Percent	78%, 100%, 97%
CMY	0.2237, 0.0000, 0.0315
CMYK	0.22, 0.00, 0.03, 0.00
HSL	172°, 100%, 89%
HSV	172°, 22%, 100%
XYZ	75.8251, 90.2412, 101.3943
YIQ	237.0450, -31.4040, -14.5720

# Conversions

## Conversions Part 2

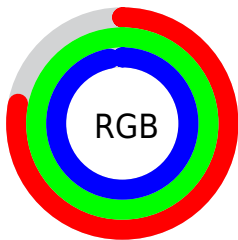
Format	Color
R <sub>Y</sub> B	198, 229, 255
Decimal	13041655
CIE Lab	96.10, -19.45, -2.04
CIE LCh	96, 19.556, 185.974
Yxy	90.2412, 0.2835, 0.3374
Android (android.graphics.Color)	4291231735 (0xFFC6FFF7)
YUV	237.0450, 4.9078, -34.2425
Hunter-Lab	94.9954, -23.7636, 3.2130

# Details

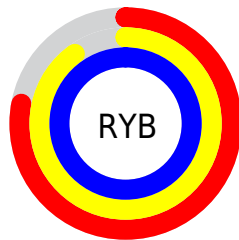
The Yxy color **90.2412, 0.2835, 0.3374** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.0848, 0.3523, 0.3209**, and the grayscale version is **84.6911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9894, 0.2771, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **86.8370, 0.2719, 0.3417**, and if you desaturate by 10%, it is **94.2183, 0.2961, 0.3334**.

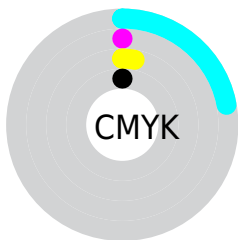
# Distribution



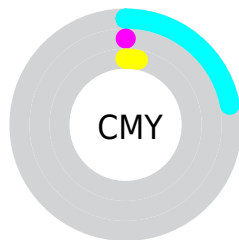
- Red (78%)
- Green (100%)
- Blue (97%)



- Red (78%)
- Yellow (90%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2412, 0.2835, 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 90.2412, 0.2835, 0.3374 by changing the saturation by 10% instead.



90.2412, 0.2835,  
0.3374

90.2412, 0.2835,  
0.3374

528.8152, 0.2964,  
0.3338

68.1807, 0.2807,  
0.3382

147.6734, 0.2879,  
0.3362

50.0448, 0.2772,  
0.3391

183.8139, 0.2896,  
0.3357

35.4490, 0.2730,  
0.3403

225.4165, 0.2911,  
0.3353

24.0089, 0.2676,  
0.3417

272.8656, 0.2925,  
0.3349

15.3402, 0.2605,  
0.3436

326.5456, 0.2936,  
0.3346

9.0585, 0.2507,  
0.3462

386.8410, 0.2947,

4.7794, 0.2366,

0.3343

0.3497

454.1360, 0.2956,  
0.3340

2.1184, 0.2142,  
0.3550

0.6749, 0.0970,  
0.3927

90.2412, 0.2835,  
0.3374

90.2412, 0.2835,  
0.3374

86.8370, 0.2719,  
0.3417

94.2183, 0.2961,  
0.3334

83.9984, 0.2616,  
0.3462

98.8175, 0.3095,  
0.3298

81.6864, 0.2530,  
0.3510

100.0000, 0.3127,  
0.3290

79.8660, 0.2461,  
0.3559

■ 78.4981, 0.2412,  
0.3609

■ 77.5374, 0.2383,  
0.3659

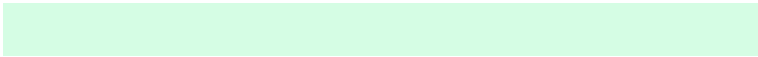
■ 76.9292, 0.2372,  
0.3709

■ 76.6406, 0.2374,  
0.3747

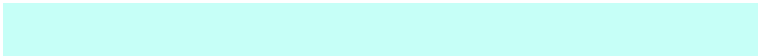
# Harmonies

## Analogous

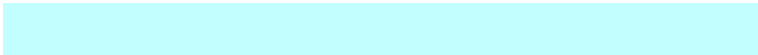
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2412, 0.3022, 0.3560



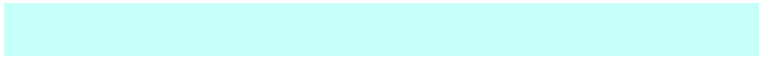
90.2412, 0.2835, 0.3374



90.2412, 0.2726, 0.3170

# Triad

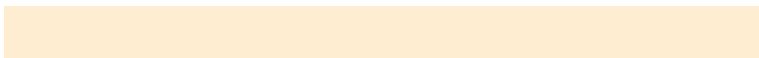
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2412, 0.2835, 0.3374



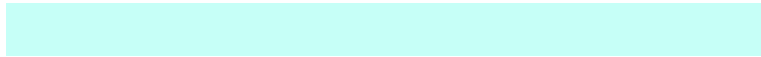
90.2412, 0.3001, 0.2942



90.2412, 0.3550, 0.3556

# Complementary

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



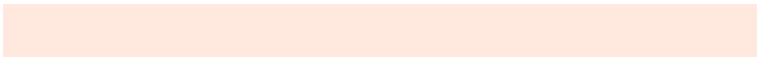
90.2412, 0.2835, 0.3374



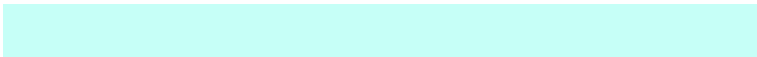
66.0848, 0.3523, 0.3209

# 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.



90.2412, 0.3545, 0.3386



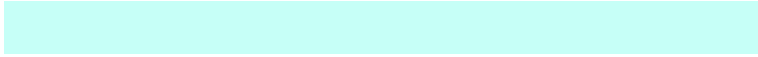
90.2412, 0.2835, 0.3374



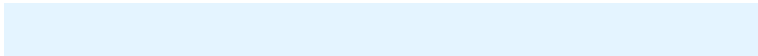
90.2412, 0.3222, 0.3041

# Square

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



90.2412, 0.2835, 0.3374



90.2412, 0.2819, 0.2929



90.2412, 0.3424, 0.3200

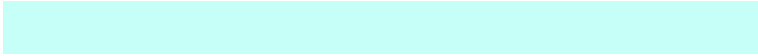


90.2412, 0.3437, 0.3662



# Rectangle

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



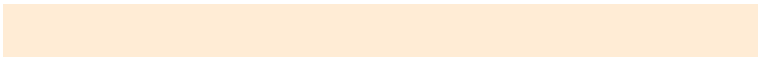
90.2412, 0.2835, 0.3374



90.2412, 0.2711, 0.3055



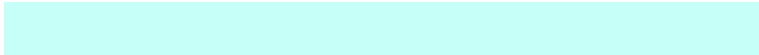
90.2412, 0.3424, 0.3200



90.2412, 0.3562, 0.3504

# Sweetspot

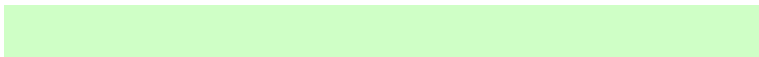
The Sweet Spot groups the original color and five complimentary colors.



90.2339, 0.2835, 0.3374



96.6096, 0.3032, 0.3314



88.7909, 0.3150, 0.3910



20.6190, 0.3024, 0.3317



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

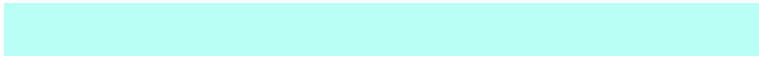


# Same Dimension

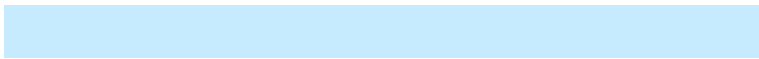
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2339, 0.2835, 0.3374



88.5895, 0.2780, 0.3393



78.6572, 0.2778, 0.3076



20.4349, 0.2999, 0.3324



40.0633, 0.2372, 0.3739



3.9124, 0.2356, 0.3682



# Inverse Universe

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



66.0848, 0.3523, 0.3209



60.4192, 0.3632, 0.3191



75.4383, 0.3543, 0.3495



18.0287, 0.3272, 0.3257



11.1875, 0.6217, 0.3198

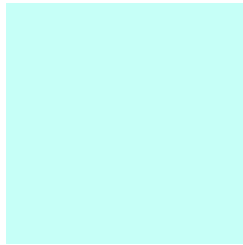


1.1013, 0.5955, 0.3054



# Previews

## White Background



This preview shows how the Yxy color 90.2412, 0.2835, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

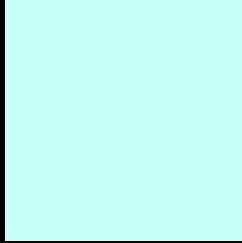
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.2412, 0.2835, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

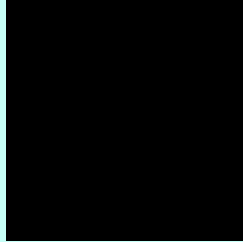
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

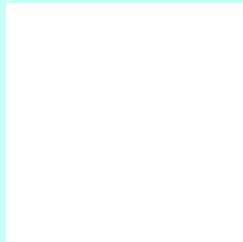
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.2412, 0.2835, 0.3374**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.2412, 0.2835, 0.3374.

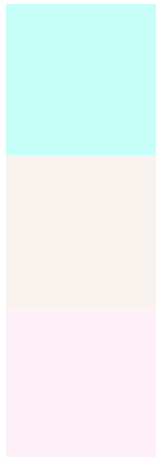


This preview shows how white text looks on a background with the Yxy color 90.2412, 0.2835, 0.3374.

# 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

90.2412, 0.2835, 0.3374

### Protanopia

89.6927, 0.3185, 0.3320

### Deuteranopia

89.7703, 0.3177, 0.3203



## Tritanopia

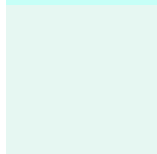
89.6255, 0.2963, 0.3199

# Trichromacy



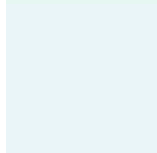
## Original Color

90.2412, 0.2835, 0.3374



## Protanomaly

89.7553, 0.3049, 0.3341



## Deuteranomaly

89.5746, 0.3040, 0.3260



## Tritanomaly

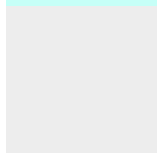
89.5314, 0.2914, 0.3259

# Monochromacy



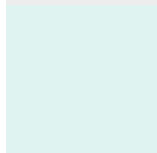
## Original Color

90.2412, 0.2835, 0.3374



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

86.7402, 0.3011, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.2412, 0.2835, 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(198, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 90.2412, 0.2835, 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(198, 255, 247) }
```

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

```
.border{ border-color:rgb(198, 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(198, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.2412, 0.2835, 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(198, 255, 247) }
```

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

```
.background{ background-color: rgb(198,  
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](#).

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