

# Converting Colors

$Yxy(89.1216, 0.2912, 0.3523)$

Have a look what the booklet for  
Yxy(89.1216, 0.2912, 0.3523)  
contains.

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# Color

**Yxy(88.7726, 0.2908, 0.3515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FEE9
RGB	198, 254, 233
RGB Percent	78%, 100%, 91%
CMY	0.2234, 0.0039, 0.0864
CMYK	0.22, 0.00, 0.08, 0.00
HSL	157°, 97%, 89%
HSV	157°, 22%, 100%
XYZ	73.4426, 88.7726, 90.3384
YIQ	234.8620, -26.6350, -18.4030

# Conversions

## Conversions Part 2

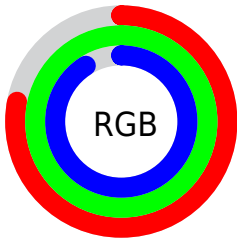
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 232, 254
Decimal	13041385
CIE Lab	95.49, -21.72, 4.28
CIE LCh	95, 22.141, 168.844
Yxy	88.7726, 0.2908, 0.3515
Android (android.graphics.Color)	4291231465 (0xFFC6FEE9)
YUV	234.8620, -0.9180, -32.3280
Hunter-Lab	94.2192, -25.7453, 9.1055

# Details

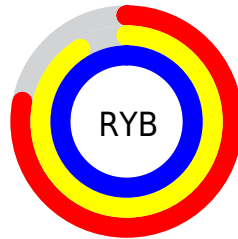
The Yxy color **88.7726, 0.2908, 0.3515** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5928, 0.3412, 0.3076**, and the grayscale version is **82.9958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9465, 0.2860, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **85.0778, 0.2818, 0.3634**, and if you desaturate by 10%, it is **93.0830, 0.3005, 0.3407**.

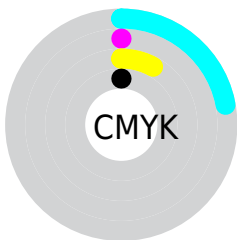
# Distribution



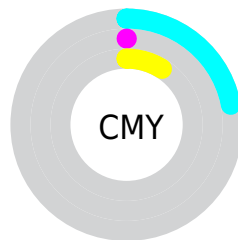
- Red (78%)
- Green (100%)
- Blue (91%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7726, 0.2908, 0.3515 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 88.7726, 0.2908, 0.3515 by changing the saturation by 10% instead.




 88.7726, 0.2908,  
0.3515

 88.7726, 0.2908,  
0.3515


524.0300, 0.3007,  
0.3413

 66.9631, 0.2886,  
0.3538


145.6323, 0.2942,  
0.3480

 49.0546, 0.2859,  
0.3566


181.4513, 0.2955,  
0.3466

 34.6628, 0.2826,  
0.3601


222.7089, 0.2966,  
0.3454

 23.4033, 0.2783,  
0.3646

269.7895, 0.2976,  
0.3444

 14.8916, 0.2726,  
0.3707

323.0776, 0.2985,  
0.3435

 8.7433, 0.2647,  
0.3793

382.9574, 0.2993,

 4.5741, 0.2528,

0.3427

0.3923

449.8134, 0.3000,  
0.3420

1.9996, 0.2333,  
0.4142

0.6073, 0.0462,  
0.5978

88.7726, 0.2908,  
0.3515

88.7726, 0.2908,  
0.3515

85.0778, 0.2818,  
0.3634

93.0830, 0.3005,  
0.3407


81.9584, 0.2738,  
0.3763


98.0253, 0.3106,  
0.3309

79.3861, 0.2671,  
0.3899


99.3636, 0.3128,  
0.3281

77.3261, 0.2621,  
0.4043

 75.7391, 0.2591,  
0.4190

 74.5803, 0.2580,  
0.4338

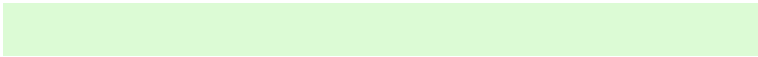
 73.7953, 0.2590,  
0.4483

 73.3729, 0.2610,  
0.4597

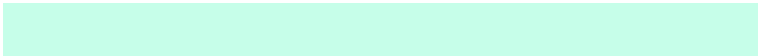
# Harmonies

## Analogous

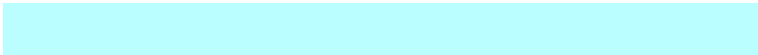
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7726, 0.3150, 0.3684



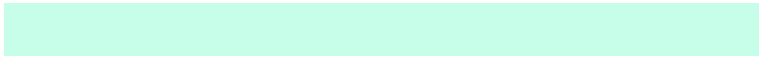
88.7726, 0.2908, 0.3515



88.7726, 0.2729, 0.3283

# Triad

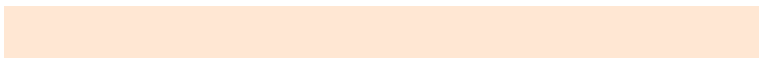
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7726, 0.2908, 0.3515



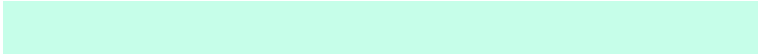
88.7726, 0.2856, 0.2875



88.7726, 0.3624, 0.3486

# Complementary

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



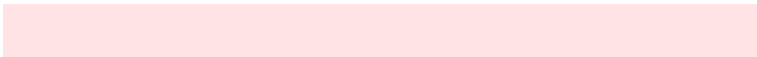
88.7726, 0.2908, 0.3515



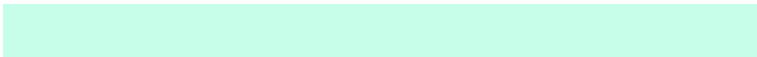
66.5928, 0.3412, 0.3076

# 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.



88.7726, 0.3540, 0.3276



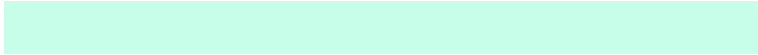
88.7726, 0.2908, 0.3515



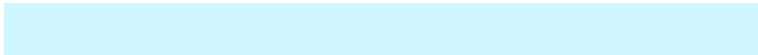
88.7726, 0.3089, 0.2934

# Square

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



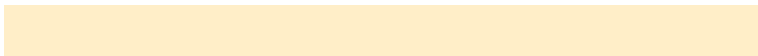
88.7726, 0.2908, 0.3515



88.7726, 0.2700, 0.2918



88.7726, 0.3341, 0.3078

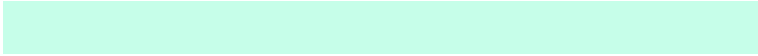


88.7726, 0.3568, 0.3655



# Rectangle

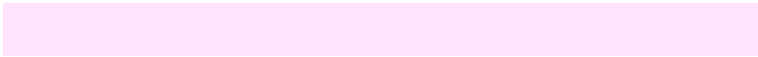
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



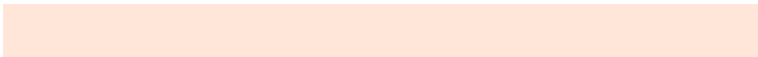
88.7726, 0.2908, 0.3515



88.7726, 0.2667, 0.3131



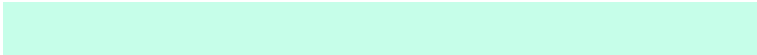
88.7726, 0.3341, 0.3078



88.7726, 0.3611, 0.3418

# Sweetspot

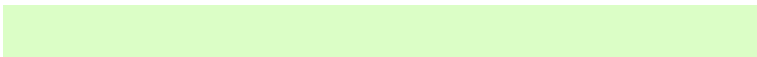
The Sweet Spot groups the original color and five complimentary colors.



88.7763, 0.2908, 0.3515



96.3460, 0.3056, 0.3356



90.0985, 0.3233, 0.3884



20.5578, 0.3050, 0.3362



0.0000, 0.0000, 0.0000

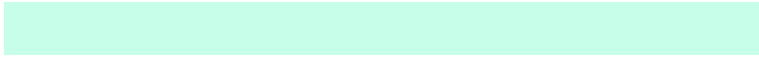


21.4041, 0.3127, 0.3290

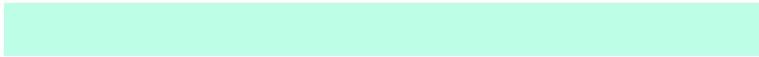


# Same Dimension

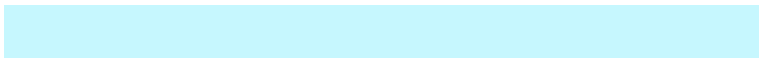
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7763, 0.2908, 0.3515



88.0192, 0.2871, 0.3561



85.9762, 0.2794, 0.3220



20.3590, 0.3030, 0.3381



38.7127, 0.2604, 0.4573



3.7905, 0.2558, 0.4410



# Inverse Universe

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



66.5928, 0.3412, 0.3076



62.3610, 0.3478, 0.3035



68.6045, 0.3564, 0.3359



18.0999, 0.3235, 0.3201



11.5745, 0.5483, 0.2794

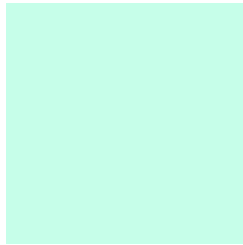


1.1473, 0.5174, 0.2624



# Previews

## White Background



This preview shows how the Yxy color 88.7726, 0.2908, 0.3515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

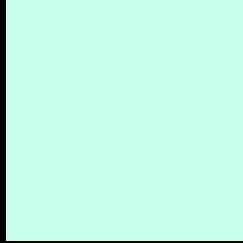
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.7726, 0.2908, 0.3515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

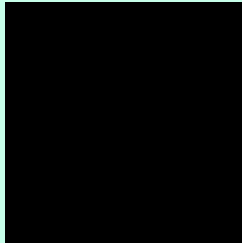
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

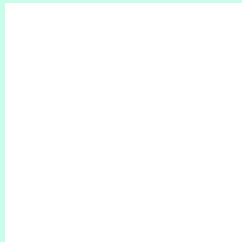
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.7726, 0.2908, 0.3515**

## Background



This preview shows how black text looks on a background with the Yxy color 88.7726, 0.2908, 0.3515.

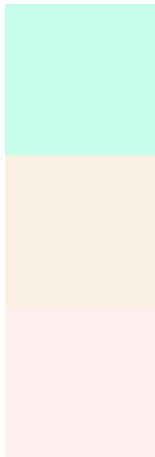


This preview shows how white text looks on a background with the Yxy color 88.7726, 0.2908, 0.3515.

# 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

88.7726, 0.2908, 0.3515

### Protanopia

87.9509, 0.3274, 0.3430

### Deuteranopia

88.0604, 0.3235, 0.3271



## Tritanopia

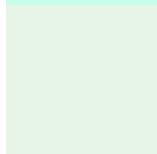
88.5324, 0.2944, 0.3188

# Trichromacy



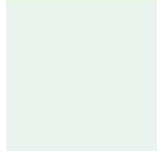
## Original Color

88.7726, 0.2908, 0.3515



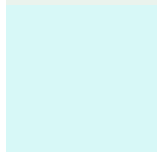
## Protanomaly

87.7850, 0.3126, 0.3455



## Deuteranomaly

87.7080, 0.3105, 0.3351



## Tritanomaly

88.2973, 0.2929, 0.3300

# Monochromacy



## Original Color

88.7726, 0.2908, 0.3515



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

84.9744, 0.3046, 0.3373

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.7726, 0.2908, 0.3515 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, 254, 233)` looks like.

```
.text, #text, p{  
    color:rgb(198, 254, 233)  
}
```

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, 254, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 254, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 88.7726, 0.2908, 0.3515 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, 254, 233) }
```

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

```
.border{ border-color:rgb(198, 254, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 254, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 254, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 254, 233);  
box-shadow:4px 4px 4px 4px rgb(198, 254,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.7726, 0.2908, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 254, 233) }
```

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

```
.background{ background-color: rgb(198,  
254, 233) }
```

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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