

# Converting Colors

$Yxy(88.6467, 0.2864, 0.3211)$

Have a look what the booklet for  
Yxy(88.6467, 0.2864, 0.3211)  
contains.

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# Color

**Yxy(88.3519, 0.2868, 0.3217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F8FF
RGB	212, 248, 255
RGB Percent	83%, 97%, 100%
CMY	0.1687, 0.0274, 0.0000
CMYK	0.17, 0.03, 0.00, 0.00
HSL	190°, 100%, 92%
HSV	190°, 17%, 100%
XYZ	78.7669, 88.3519, 107.5218
YIQ	238.0340, -23.7030, -5.4550

# Conversions

## Conversions Part 2

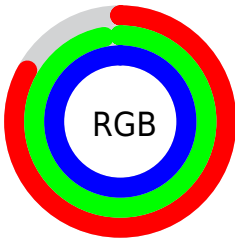
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 232, 255
Decimal	13957375
CIE Lab	95.31, -10.13, -7.25
CIE LCh	95, 12.460, 215.589
Yxy	88.3519, 0.2868, 0.3217
Android (android.graphics.Color)	4292147455 (0xFFD4F8FF)
YUV	238.0340, 8.3642, -22.8318
Hunter-Lab	93.9957, -14.9122, -2.0249

# Details

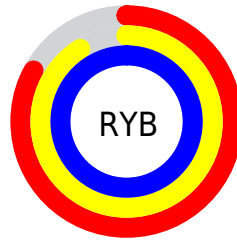
The Yxy color **88.3519, 0.2868, 0.3217** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.6640, 0.3440, 0.3362**, and the grayscale version is **85.4750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9446, 0.2816, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **82.3388, 0.2722, 0.3169**, and if you desaturate by 10%, it is **95.0251, 0.3020, 0.3262**.

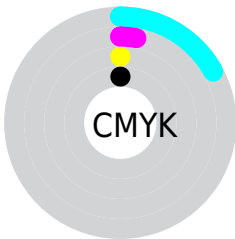
# Distribution



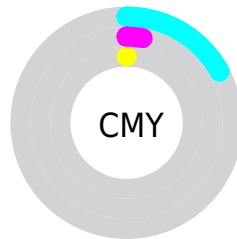
- Red (83%)
- Green (97%)
- Blue (100%)



- Red (83%)
- Yellow (91%)
- Blue (100%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.3519, 0.2868, 0.3217 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 88.3519, 0.2868, 0.3217 by changing the saturation by 10% instead.



 88.3519, 0.2868,  
0.3217

 88.3519, 0.2868,  
0.3217


522.6549, 0.2983,  
0.3251

 66.6145, 0.2843,  
0.3209

145.0470, 0.2907,  
0.3229

 48.7714, 0.2812,  
0.3200


180.7735, 0.2922,  
0.3233

 34.4382, 0.2775,  
0.3188


221.9318, 0.2936,  
0.3237

 23.2304, 0.2726,  
0.3172

268.9064, 0.2947,  
0.3241

 14.7638, 0.2663,  
0.3151

322.0816, 0.2958,  
0.3244

 8.6538, 0.2576,  
0.3120

381.8418, 0.2967,

 4.5160, 0.2450,

0.3246

0.3073

448.5715, 0.2975,  
0.3249

■ 1.9662, 0.2251,  
0.2993

■ 0.5877, 0.1513,  
0.2856

■ 88.3519, 0.2868,  
0.3217

■ 88.3519, 0.2868,  
0.3217

■ 82.3388, 0.2722,  
0.3169

■ 95.0251, 0.3020,  
0.3262

■ 76.9497, 0.2585,  
0.3117

100.0000, 0.3127,  
0.3290

■ 72.1564, 0.2461,  
0.3062

■ 67.9256, 0.2353,  
0.3005

■ 64.2202, 0.2262,  
0.2947

■ 60.9982, 0.2191,  
0.2888

■ 58.2105, 0.2140,  
0.2829

■ 55.7947, 0.2106,  
0.2771

■ 55.0853, 0.2098,  
0.2753

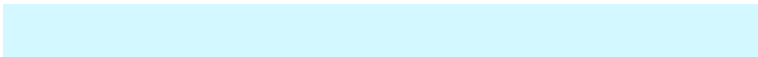
# Harmonies

## Analogous

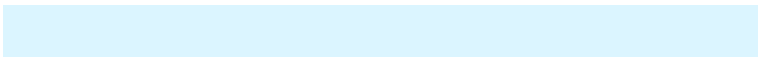
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3519, 0.2940, 0.3346



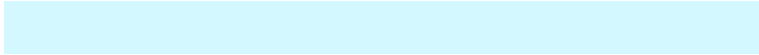
88.3519, 0.2868, 0.3217



88.3519, 0.2863, 0.3112

# Triad

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



88.3519, 0.2868, 0.3217



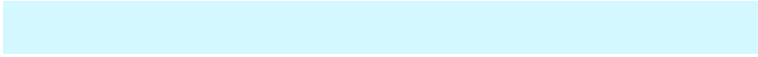
88.3519, 0.3188, 0.3127



88.3519, 0.3328, 0.3528

# Complementary

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



88.3519, 0.2868, 0.3217



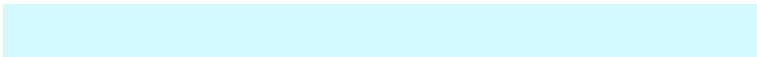
76.6640, 0.3440, 0.3362

# 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.



88.3519, 0.3398, 0.3462



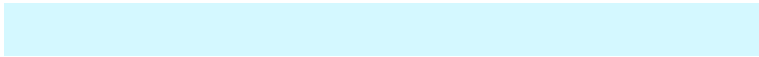
88.3519, 0.2868, 0.3217



88.3519, 0.3316, 0.3232

# Square

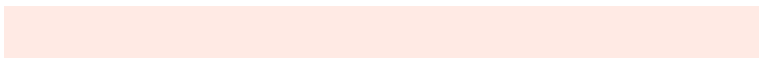
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.3519, 0.2868, 0.3217



88.3519, 0.3045, 0.3063



88.3519, 0.3394, 0.3353

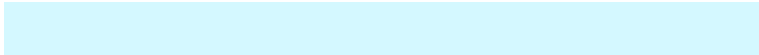


88.3519, 0.3205, 0.3529

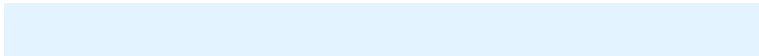


# Rectangle

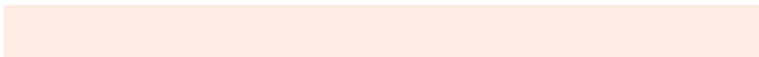
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.3519, 0.2868, 0.3217



88.3519, 0.2899, 0.3068



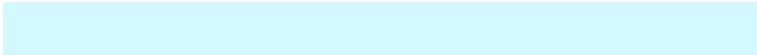
88.3519, 0.3394, 0.3353



88.3519, 0.3359, 0.3513

# Sweetspot

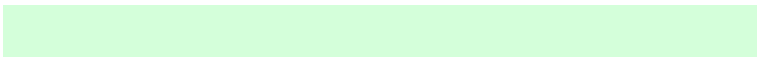
The Sweet Spot groups the original color and five complimentary colors.



88.3545, 0.2868, 0.3217



96.3463, 0.3049, 0.3270



90.5998, 0.3070, 0.3678



20.5151, 0.3038, 0.3267



0.0000, 0.0000, 0.0000

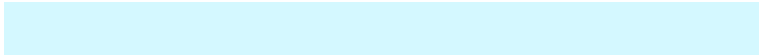


21.4041, 0.3127, 0.3290

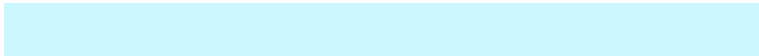


# Same Dimension

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



88.3545, 0.2868, 0.3217



86.4016, 0.2822, 0.3202



76.1752, 0.2858, 0.2995



19.9490, 0.2980, 0.3250



28.9704, 0.2101, 0.2763



2.9490, 0.2119, 0.2829



# Inverse Universe

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



75.1174, 0.3194, 0.2936



71.1432, 0.3208, 0.2868



88.3004, 0.3405, 0.3568



18.2467, 0.3163, 0.3093



13.6525, 0.3669, 0.1795

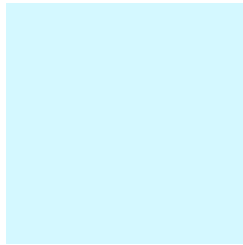


1.3422, 0.3608, 0.1761



# Previews

## White Background



This preview shows how the Yxy color 88.3519, 0.2868, 0.3217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

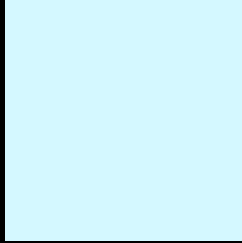
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.3519, 0.2868, 0.3217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

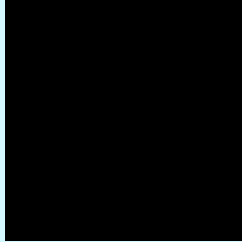
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.3519, 0.2868, 0.3217**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.3519, 0.2868, 0.3217.

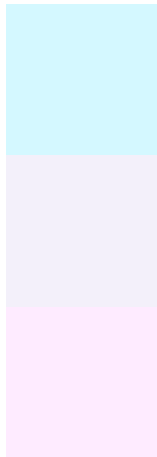


This preview shows how white text looks on a background with the Yxy color 88.3519, 0.2868, 0.3217.

# 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

88.3519, 0.2868, 0.3217

### Protanopia

88.2770, 0.3086, 0.3191

### Deuteranopia

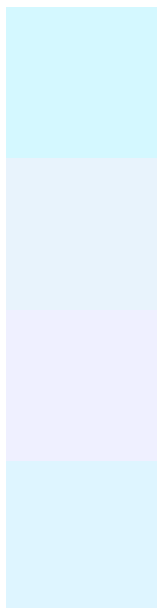
87.7075, 0.3130, 0.3097



## Tritanopia

88.2523, 0.2956, 0.3179

# Trichromacy



## Original Color

88.3519, 0.2868, 0.3217

## Protanomaly

88.2853, 0.3004, 0.3199

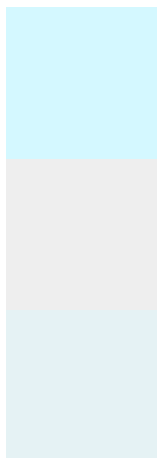
## Deuteranomaly

87.8909, 0.3031, 0.3141

## Tritanomaly

88.0544, 0.2926, 0.3188

# Monochromacy



## Original Color

88.3519, 0.2868, 0.3217

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.6939, 0.3032, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.3519, 0.2868, 0.3217 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(212, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 248, 255)  
}
```

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(212, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.3519, 0.2868, 0.3217 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(212, 248, 255) }
```

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

```
.border{ border-color:rgb(212, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.3519, 0.2868, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 248, 255) }
```

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

```
.background{ background-color: rgb(212,  
248, 255) }
```

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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