

# Converting Colors

$Yxy(89.1993, 0.2877, 0.3182)$

Have a look what the booklet for  
Yxy(89.1993, 0.2877, 0.3182)  
contains.

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# Color

**Yxy(89.1065, 0.2897, 0.3218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9F8FF
RGB	217, 248, 255
RGB Percent	85%, 97%, 100%
CMY	0.1493, 0.0274, 0.0000
CMYK	0.15, 0.03, 0.00, 0.00
HSL	191°, 100%, 93%
HSV	191°, 15%, 100%
XYZ	80.2180, 89.1065, 107.5757
YIQ	239.5290, -20.7230, -4.3950

# Conversions

## Conversions Part 2

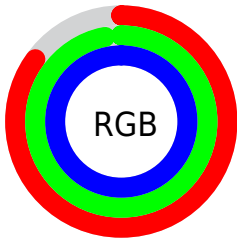
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 234, 255
Decimal	14285055
CIE <sub>Lab</sub>	95.62, -8.63, -6.74
CIE <sub>LCh</sub>	96, 10.948, 217.994
Yxy	89.1065, 0.2897, 0.3218
Android (android.graphics.Color)	4292475135 (0xFFD9F8FF)
YUV	239.5290, 7.6272, -19.7579
Hunter-Lab	94.3962, -13.5040, -1.4906

# Details

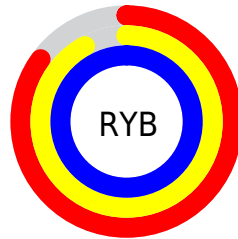
The Yxy color **89.1065, 0.2897, 0.3218** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.5314, 0.3397, 0.3361**, and the grayscale version is **86.6961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4579, 0.2852, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **82.6626, 0.2748, 0.3164**, and if you desaturate by 10%, it is **96.2332, 0.3051, 0.3267**.

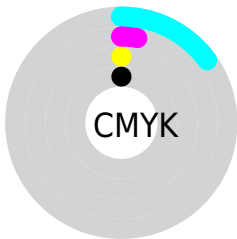
# Distribution



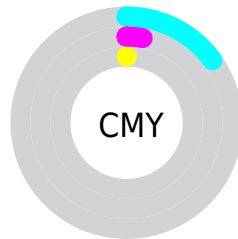
- Red (85%)
- Green (97%)
- Blue (100%)



- Red (85%)
- Yellow (92%)
- Blue (100%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1065, 0.2897, 0.3218 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 89.1065, 0.2897, 0.3218 by changing the saturation by 10% instead.




 89.1065, 0.2897,  
0.3218

 89.1065, 0.2897,  
0.3218


525.1200, 0.2999,  
0.3251

 67.2398, 0.2875,  
0.3211

146.0967, 0.2932,  
0.3229

 49.2795, 0.2848,  
0.3201


181.9889, 0.2945,  
0.3234

 34.8413, 0.2814,  
0.3190


223.3252, 0.2957,  
0.3238

 23.5406, 0.2771,  
0.3175

270.4898, 0.2968,  
0.3241

 14.9932, 0.2715,  
0.3154

323.8672, 0.2977,  
0.3244

 8.8146, 0.2638,  
0.3125

383.8418, 0.2985,

 4.6205, 0.2526,

0.3247

0.3082

450.7979, 0.2992,  
0.3249

■ 2.0263, 0.2349,  
0.3007

■ 0.6227, 0.1761,  
0.2876

■ 89.1065, 0.2897,  
0.3218

■ 89.1065, 0.2897,  
0.3218

■ 82.6626, 0.2748,  
0.3164

■ 96.2332, 0.3051,  
0.3267

■ 76.8623, 0.2608,  
0.3106

99.9999, 0.3127,  
0.3290

■ 71.6789, 0.2479,  
0.3045

■ 67.0796, 0.2365,  
0.2981

■ 63.0277, 0.2268,  
0.2914

■ 59.4825, 0.2190,  
0.2847

■ 56.3960, 0.2132,  
0.2780

■ 53.7097, 0.2093,  
0.2714

■ 52.4574, 0.2078,  
0.2680

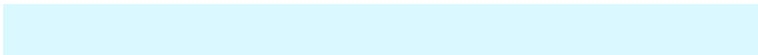
# Harmonies

## Analogous

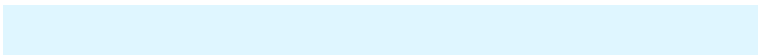
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1065, 0.2956, 0.3331



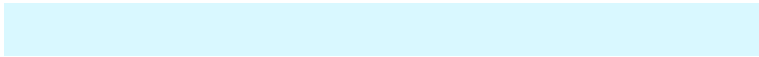
89.1065, 0.2897, 0.3218



89.1065, 0.2898, 0.3128

# Triad

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



89.1065, 0.2897, 0.3218



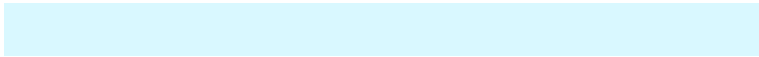
89.1065, 0.3190, 0.3153



89.1065, 0.3296, 0.3501

# Complementary

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



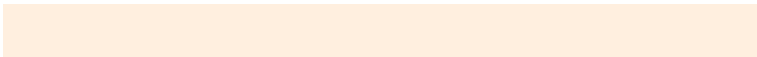
89.1065, 0.2897, 0.3218



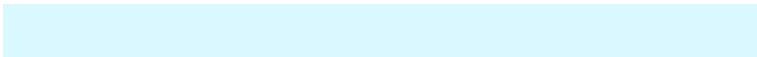
79.5314, 0.3397, 0.3361

# 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.



89.1065, 0.3361, 0.3448



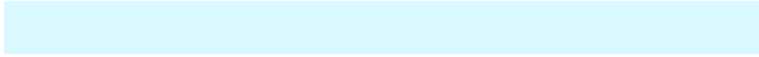
89.1065, 0.2897, 0.3218



89.1065, 0.3300, 0.3247

# Square

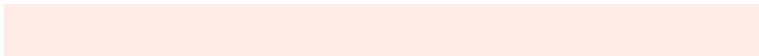
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1065, 0.2897, 0.3218



89.1065, 0.3065, 0.3093



89.1065, 0.3363, 0.3355

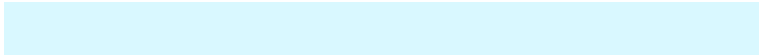


89.1065, 0.3186, 0.3497

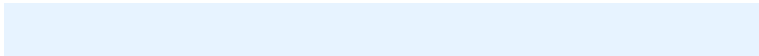


# Rectangle

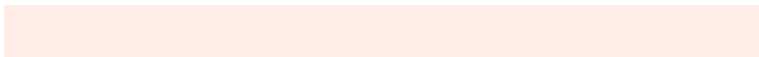
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1065, 0.2897, 0.3218



89.1065, 0.2932, 0.3093



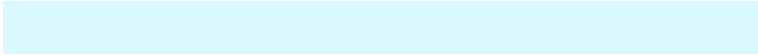
89.1065, 0.3363, 0.3355



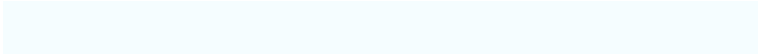
89.1065, 0.3324, 0.3489

# Sweetspot

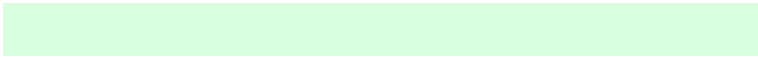
The Sweet Spot groups the original color and five complimentary colors.



89.1102, 0.2897, 0.3218



96.9294, 0.3065, 0.3272



91.6037, 0.3073, 0.3622



20.6260, 0.3053, 0.3268



0.0000, 0.0000, 0.0000

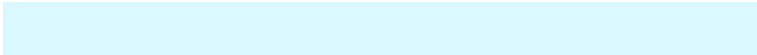


21.4041, 0.3127, 0.3290

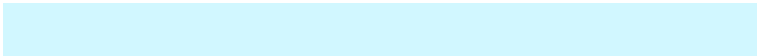


# Same Dimension

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



89.1102, 0.2897, 0.3218



87.0589, 0.2851, 0.3202



78.3471, 0.2890, 0.3025



19.8818, 0.2980, 0.3245



27.6149, 0.2081, 0.2691



2.8291, 0.2102, 0.2767



# Inverse Universe

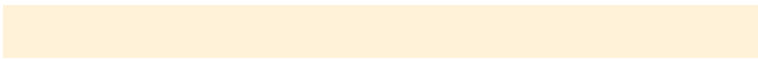
The Inverse Universe completely reimagines the original color for something new.



77.6321, 0.3191, 0.2985



73.5999, 0.3206, 0.2921



89.9558, 0.3370, 0.3541



18.2399, 0.3166, 0.3098



13.5157, 0.3736, 0.1832

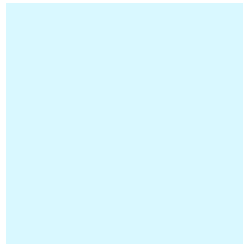


1.3301, 0.3665, 0.1793



# Previews

## White Background



This preview shows how the Yxy color 89.1065, 0.2897, 0.3218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

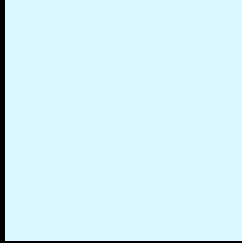
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.1065, 0.2897, 0.3218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

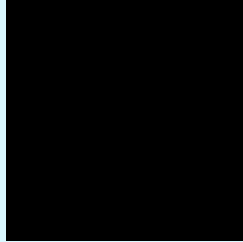
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

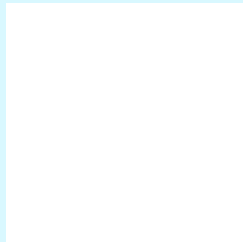
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.1065, 0.2897, 0.3218**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.1065, 0.2897, 0.3218.

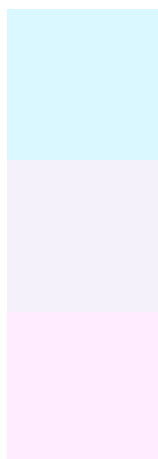


This preview shows how white text looks on a background with the Yxy color 89.1065, 0.2897, 0.3218.

# 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

89.1065, 0.2897, 0.3218

### Protanopia

89.1087, 0.3086, 0.3191

### Deuteranopia

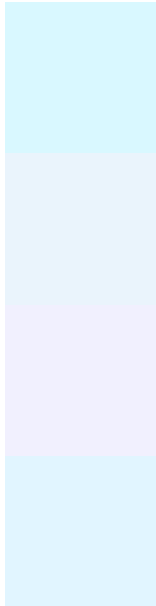
88.4067, 0.3142, 0.3117



## Tritanopia

88.7444, 0.2975, 0.3179

# Trichromacy



## Original Color

89.1065, 0.2897, 0.3218

## Protanomaly

89.2221, 0.3017, 0.3210

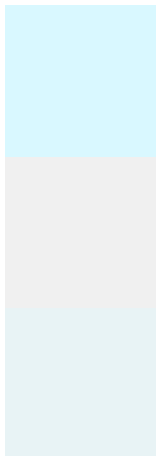
## Deuteranomaly

88.1767, 0.3050, 0.3152

## Tritanomaly

88.5324, 0.2944, 0.3188

# Monochromacy



## Original Color

89.1065, 0.2897, 0.3218

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.8496, 0.3045, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.1065, 0.2897, 0.3218 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(217, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 89.1065, 0.2897, 0.3218 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(217, 248, 255) }
```

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

```
.border{ border-color:rgb(217, 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(217, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.1065, 0.2897, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 248, 255) }
```

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

```
.background{ background-color: rgb(217,  
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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