

# Converting Colors

$Yxy(89.4956, 0.2920, 0.3267)$

Have a look what the booklet for  
Yxy(89.4956, 0.2920, 0.3267)  
contains.

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# Color

**Yxy(89.4681, 0.2919, 0.3269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9F9FB
RGB	217, 249, 251
RGB Percent	85%, 98%, 98%
CMY	0.1493, 0.0234, 0.0157
CMYK	0.14, 0.01, 0.00, 0.02
HSL	183°, 81%, 92%
HSV	183°, 14%, 98%
XYZ	79.8891, 89.4681, 104.3293
YIQ	239.6600, -19.7140, -6.1620

# Conversions

## Conversions Part 2

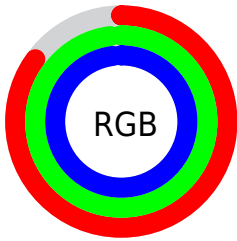
Format	Color
R <sub>Y</sub> B	217, 233, 251
Decimal	14285307
CIE Lab	95.78, -9.92, -4.46
CIE LCh	96, 10.879, 204.176
Yxy	89.4681, 0.2919, 0.3269
Android (android.graphics.Color)	4292475387 (0xFFD9F9FB)
YUV	239.6600, 5.5906, -19.8728
Hunter-Lab	94.5876, -14.7664, 0.8150

# Details

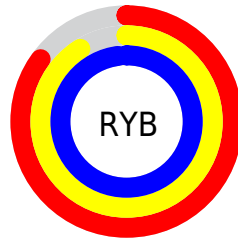
The Yxy color **89.4681, 0.2919, 0.3269** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1375, 0.3375, 0.3311**, and the grayscale version is **86.8190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7614, 0.2873, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **85.0144, 0.2775, 0.3252**, and if you desaturate by 10%, it is **94.5212, 0.3071, 0.3285**.

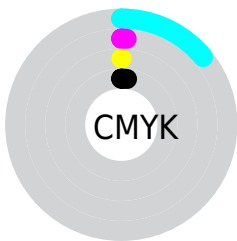
# Distribution



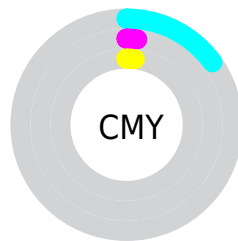
- Red (85%)
- Green (98%)
- Blue (98%)



- Red (85%)
- Yellow (91%)
- Blue (98%)



- Cyan (14%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)




- Cyan (15%)
- Magenta (2%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4681, 0.2919, 0.3269 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 89.4681, 0.2919, 0.3269 by changing the saturation by 10% instead.




 89.4681, 0.2919,  
0.3269

 89.4681, 0.2919,  
0.3269

526.2991, 0.3011,  
0.3279

 67.5396, 0.2899,  
0.3267


146.5993, 0.2950,  
0.3273

 49.5232, 0.2874,  
0.3264


182.5708, 0.2963,  
0.3274

 35.0347, 0.2844,  
0.3260


223.9921, 0.2973,  
0.3275

 23.6896, 0.2805,  
0.3255

271.2476, 0.2983,  
0.3276

 15.1035, 0.2754,  
0.3247

324.7216, 0.2991,  
0.3277

 8.8921, 0.2684,  
0.3237

384.7986, 0.2999,

 4.6709, 0.2582,

0.3278

451.8630, 0.3005,  
0.3279

0.3220

2.0555, 0.2419,  
0.3190

0.6394, 0.1815,  
0.3176

89.4681, 0.2919,  
0.3269

89.4681, 0.2919,  
0.3269

85.0144, 0.2775,  
0.3252

94.5212, 0.3071,  
0.3285

81.1225, 0.2642,  
0.3234

97.8124, 0.3152,  
0.3299

77.7679, 0.2524,  
0.3215

98.7341, 0.3151,  
0.3313

74.9196, 0.2422,  
0.3196

99.6629, 0.3150,  
0.3327

■ 72.5436, 0.2339,  
0.3176

■ 99.7454, 0.3150,  
0.3328

■ 70.6017, 0.2276,  
0.3156

■ 69.0494, 0.2232,  
0.3136

■ 67.8328, 0.2205,  
0.3116

■ 67.1779, 0.2196,  
0.3104

# Harmonies

## Analogous

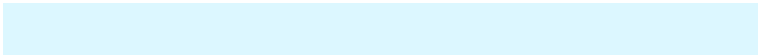
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4681, 0.3001, 0.3381



89.4681, 0.2919, 0.3269



89.4681, 0.2891, 0.3166

# Triad

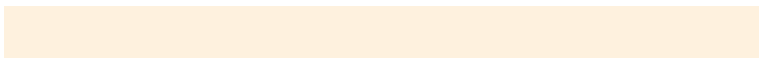
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4681, 0.2919, 0.3269



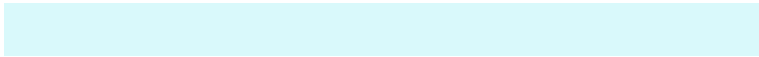
89.4681, 0.3132, 0.3121



89.4681, 0.3332, 0.3481

# Complementary

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



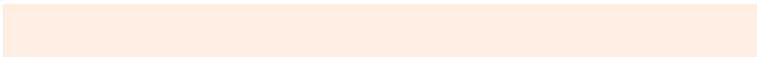
89.4681, 0.2919, 0.3269



76.1375, 0.3375, 0.3311

# 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.



89.4681, 0.3369, 0.3407



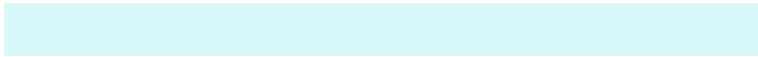
89.4681, 0.2919, 0.3269



89.4681, 0.3253, 0.3201

# Square

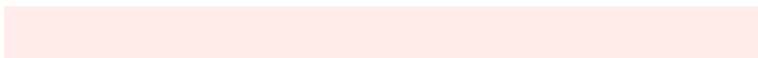
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4681, 0.2919, 0.3269



89.4681, 0.3013, 0.3084



89.4681, 0.3340, 0.3305



89.4681, 0.3239, 0.3505

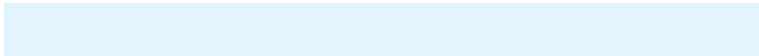


# Rectangle

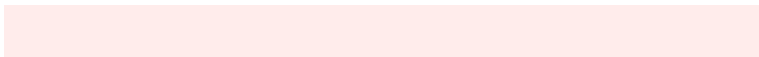
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.4681, 0.2919, 0.3269



89.4681, 0.2907, 0.3116



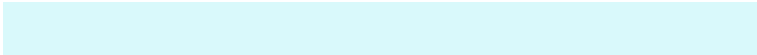
89.4681, 0.3340, 0.3305



89.4681, 0.3351, 0.3461

# Sweetspot

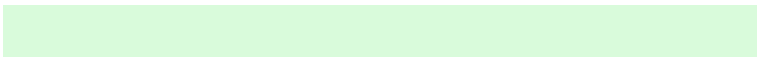
The Sweet Spot groups the original color and five complimentary colors.



89.4718, 0.2919, 0.3269



97.7380, 0.3065, 0.3284



88.8355, 0.3100, 0.3632



20.8314, 0.3053, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

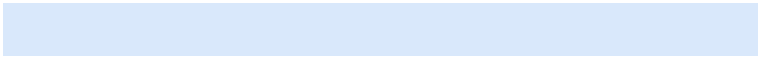
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4718, 0.2919, 0.3269



91.5591, 0.2883, 0.3265



79.5705, 0.2914, 0.3094



19.4251, 0.2980, 0.3276



35.3856, 0.2196, 0.3107



3.3285, 0.2203, 0.3130



# Inverse Universe

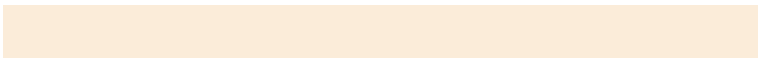
The Inverse Universe completely reimagines the original color for something new.



76.9430, 0.3156, 0.2973



76.5223, 0.3162, 0.2915



85.3201, 0.3352, 0.3479



17.5061, 0.3147, 0.3070



13.9831, 0.3361, 0.1625

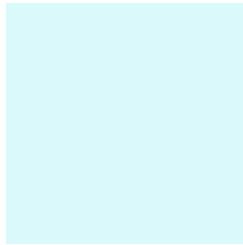


1.3002, 0.3341, 0.1614



# Previews

## White Background



This preview shows how the Yxy color 89.4681, 0.2919, 0.3269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

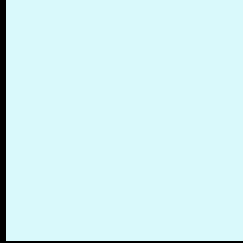
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.4681, 0.2919, 0.3269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

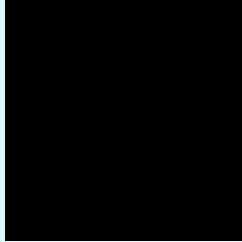
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.4681, 0.2919, 0.3269**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.4681, 0.2919, 0.3269.

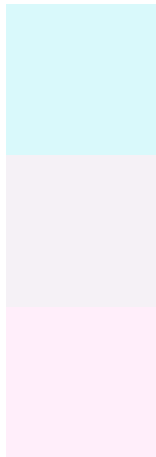


This preview shows how white text looks on a background with the Yxy color 89.4681, 0.2919, 0.3269.

# 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

89.4681, 0.2919, 0.3269

### Protanopia

88.9769, 0.3123, 0.3241

### Deuteranopia

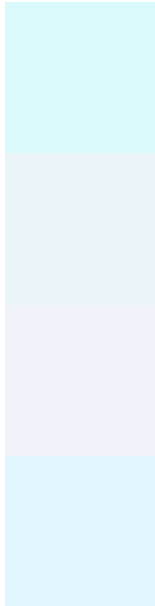
89.3112, 0.3166, 0.3174



## Tritanopia

89.5137, 0.2981, 0.3190

# Trichromacy



## Original Color

89.4681, 0.2919, 0.3269

## Protanomaly

89.1408, 0.3046, 0.3250

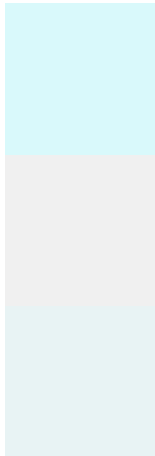
## Deuteranomaly

89.1072, 0.3073, 0.3211

## Tritanomaly

89.2360, 0.2956, 0.3209

# Monochromacy



## Original Color

89.4681, 0.2919, 0.3269

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.7886, 0.3051, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.4681, 0.2919, 0.3269 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, 249, 251)` looks like.

```
.text, #text, p{  
    color:rgb(217, 249, 251)  
}
```

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, 249, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 249, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 89.4681, 0.2919, 0.3269 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, 249, 251) }
```

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

```
.border{ border-color:rgb(217, 249, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 249, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 249, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 249, 251);  
box-shadow:4px 4px 4px 4px rgb(217, 249,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.4681, 0.2919, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 249, 251) }
```

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

```
.background{ background-color: rgb(217,  
249, 251) }
```

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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