

# Converting Colors

$Yxy(89.1035, 0.2898, 0.3138)$

Have a look what the booklet for  
Yxy(89.1035, 0.2898, 0.3138)  
contains.

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# Color

**Yxy(88.8195, 0.2932, 0.3198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFF6FF
RGB	223, 246, 255
RGB Percent	87%, 96%, 100%
CMY	0.1256, 0.0352, 0.0000
CMYK	0.13, 0.04, 0.00, 0.00
HSL	197°, 100%, 94%
HSV	197°, 13%, 100%
XYZ	81.4318, 88.8195, 107.4833
YIQ	240.1490, -16.5970, -2.0770

# Conversions

## Conversions Part 2

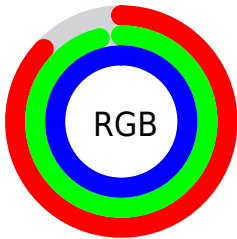
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 236, 255
Decimal	14677759
CIE <sub>Lab</sub>	95.50, -5.74, -6.89
CIE <sub>LCh</sub>	96, 8.967, 230.202
Yxy	88.8195, 0.2932, 0.3198
Android (android.graphics.Color)	4292867839 (0xFFDFF6FF)
YUV	240.1490, 7.3215, -15.0397
Hunter-Lab	94.2441, -10.6940, -1.6480

# Details

The Yxy color **88.8195, 0.2932, 0.3198** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.2709, 0.3345, 0.3380**, and the grayscale version is **87.2078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2290, 0.2896, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **80.8035, 0.2778, 0.3117**, and if you desaturate by 10%, it is **97.6167, 0.3087, 0.3272**.

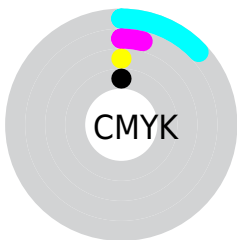
# Distribution



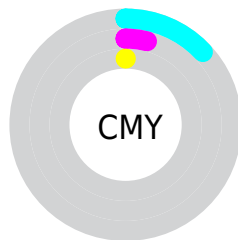
- Red (87%)
- Green (96%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8195, 0.2932, 0.3198 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 88.8195, 0.2932, 0.3198 by changing the saturation by 10% instead.



88.8195, 0.2932,  
0.3198

88.8195, 0.2932,  
0.3198

524.1832, 0.3019,  
0.3240

67.0020, 0.2913,  
0.3189

145.6975, 0.2961,  
0.3212

49.0862, 0.2890,  
0.3177

181.5268, 0.2973,  
0.3218

34.6879, 0.2861,  
0.3163

222.7955, 0.2983,  
0.3223

23.4225, 0.2825,  
0.3145

269.8879, 0.2992,  
0.3227

14.9058, 0.2777,  
0.3120

323.1885, 0.3000,  
0.3231

8.7533, 0.2711,  
0.3085

383.0817, 0.3007,

4.5806, 0.2615,

0.3234

0.3034

449.9518, 0.3013,  
0.3237

■ 2.0034, 0.2461,  
0.2947

■ 0.6094, 0.1991,  
0.2763

■ 88.8195, 0.2932,  
0.3198

■ 88.8195, 0.2932,  
0.3198

■ 80.8035, 0.2778,  
0.3117

■ 97.6167, 0.3087,  
0.3272

■ 73.5341, 0.2629,  
0.3029

100.0000, 0.3127,  
0.3290

■ 66.9821, 0.2487,  
0.2934

■ 61.1137, 0.2357,  
0.2833

■ 55.8921, 0.2243,  
0.2729

■ 51.2759, 0.2146,  
0.2623

■ 47.2178, 0.2069,  
0.2515

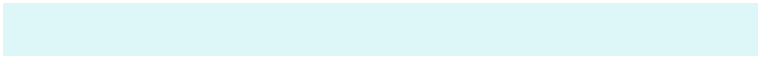
■ 43.6607, 0.2012,  
0.2409

■ 41.2791, 0.1981,  
0.2331

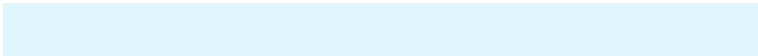
# Harmonies

## Analogous

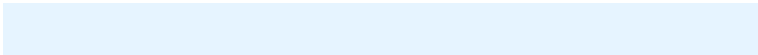
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8195, 0.2962, 0.3285



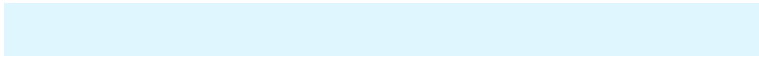
88.8195, 0.2932, 0.3198



88.8195, 0.2954, 0.3137

# Triad

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



88.8195, 0.2932, 0.3198



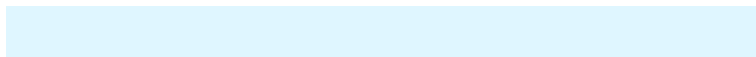
88.8195, 0.3219, 0.3206



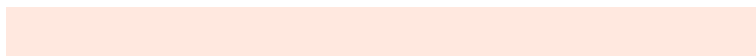
88.8195, 0.3232, 0.3467

# Complementary

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



88.8195, 0.2932, 0.3198



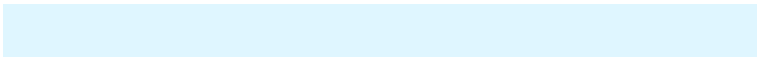
84.2709, 0.3345, 0.3380

# 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.



88.8195, 0.3303, 0.3442



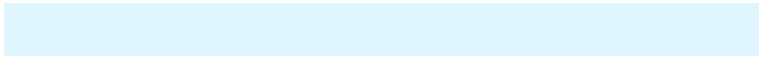
88.8195, 0.2932, 0.3198



88.8195, 0.3295, 0.3291

# Square

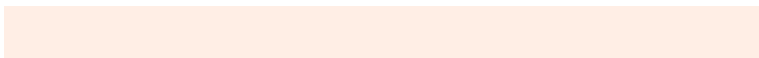
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8195, 0.2932, 0.3198



88.8195, 0.3118, 0.3143



88.8195, 0.3327, 0.3377

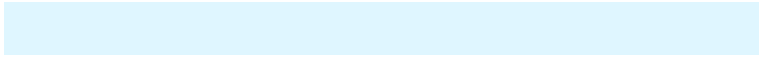


88.8195, 0.3134, 0.3443



# Rectangle

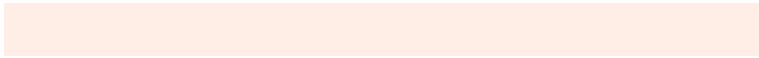
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8195, 0.2932, 0.3198



88.8195, 0.2994, 0.3119



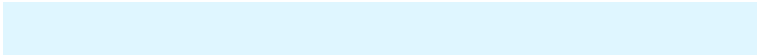
88.8195, 0.3327, 0.3377



88.8195, 0.3260, 0.3464

# Sweetspot

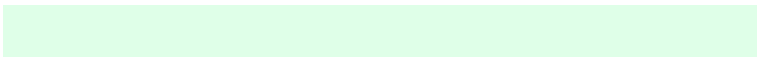
The Sweet Spot groups the original color and five complimentary colors.



88.8213, 0.2932, 0.3198



96.3044, 0.3065, 0.3262



93.0002, 0.3063, 0.3531



20.4674, 0.3053, 0.3257



0.0000, 0.0000, 0.0000

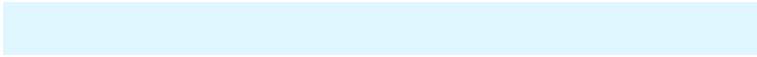


21.4041, 0.3127, 0.3290

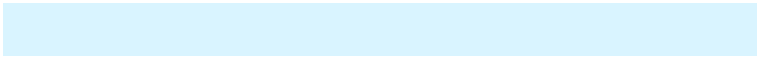


# Same Dimension

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



88.8213, 0.2932, 0.3198



86.7973, 0.2894, 0.3179



79.7399, 0.2928, 0.3037



19.5694, 0.2980, 0.3222



21.8346, 0.1986, 0.2348



2.3109, 0.2019, 0.2469



# Inverse Universe

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



80.6701, 0.3200, 0.3064



77.3050, 0.3217, 0.3019



93.4286, 0.3325, 0.3531



18.2083, 0.3181, 0.3121



12.9322, 0.4076, 0.2019

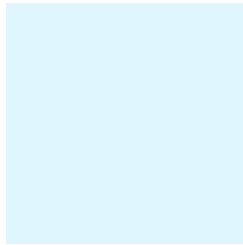


1.2778, 0.3954, 0.1952



# Previews

## White Background



This preview shows how the Yxy color 88.8195, 0.2932, 0.3198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

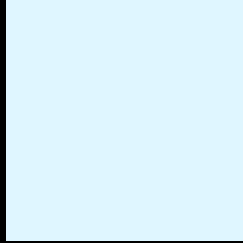
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8195, 0.2932, 0.3198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

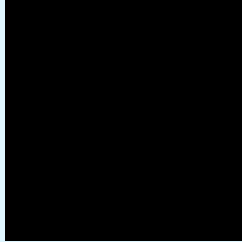
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

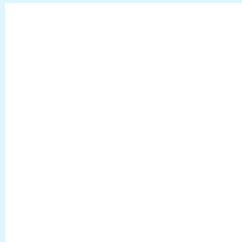
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8195, 0.2932, 0.3198**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8195, 0.2932, 0.3198.

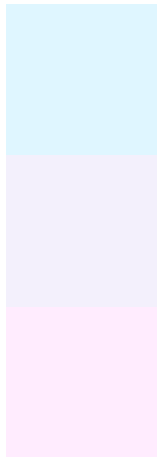


This preview shows how white text looks on a background with the Yxy color 88.8195, 0.2932, 0.3198.

# 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

88.8195, 0.2932, 0.3198

### Protanopia

88.4031, 0.3074, 0.3172

### Deuteranopia

88.4067, 0.3142, 0.3117



## Tritanopia

88.4770, 0.2987, 0.3170

# Trichromacy



## Original Color

88.8195, 0.2932, 0.3198

## Protanomaly

88.4290, 0.3023, 0.3180

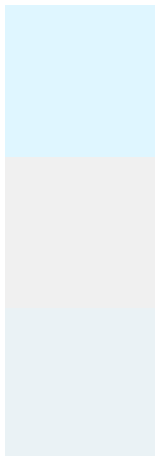
## Deuteranomaly

88.5306, 0.3062, 0.3152

## Tritanomaly

88.5794, 0.2968, 0.3179

# Monochromacy



## Original Color

88.8195, 0.2932, 0.3198

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.5893, 0.3058, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8195, 0.2932, 0.3198 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(223, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 246, 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(223, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8195, 0.2932, 0.3198 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(223, 246, 255) }
```

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

```
.border{ border-color:rgb(223, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 246,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8195, 0.2932, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 246, 255) }
```

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

```
.background{ background-color: rgb(223,  
246, 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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