

# Converting Colors

Yxy(89.4856, 0.2941, 0.3206)

Have a look what the booklet for  
Yxy(89.4856, 0.2941, 0.3206)  
contains.

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# Color

**Yxy(89.5888, 0.2939, 0.3209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0F7FF
RGB	224, 247, 255
RGB Percent	88%, 97%, 100%
CMY	0.1215, 0.0314, 0.0002
CMYK	0.12, 0.03, 0.00, 0.00
HSL	195°, 100%, 94%
HSV	195°, 12%, 100%
XYZ	82.0509, 89.5888, 107.5401
YIQ	241.0350, -16.2760, -2.3880

# Conversions

## Conversions Part 2

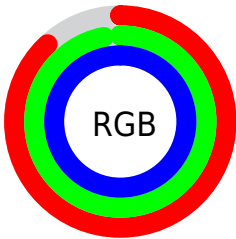
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 237, 255
Decimal	14743551
CIE Lab	95.83, -5.92, -6.37
CIE LCh	96, 8.699, 227.088
Yxy	89.5888, 0.2939, 0.3209
Android (android.graphics.Color)	4292933631 (0xFFE0F7FF)
YUV	241.0350, 6.8847, -14.9397
Hunter-Lab	94.6514, -10.9026, -1.1076

# Details

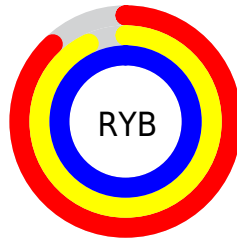
The Yxy color **89.5888, 0.2939, 0.3209** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.3376, 0.3338, 0.3370**, and the grayscale version is **87.9500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7738, 0.2904, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **81.8788, 0.2786, 0.3135**, and if you desaturate by 10%, it is **98.0581, 0.3094, 0.3276**.

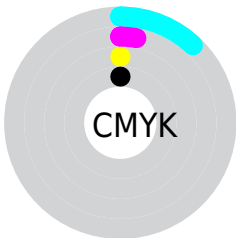
# Distribution



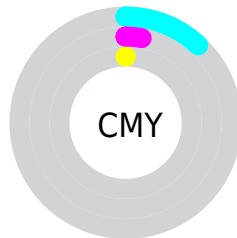
- Red (88%)
- Green (97%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.5888, 0.2939, 0.3209 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 89.5888, 0.2939, 0.3209 by changing the saturation by 10% instead.



 89.5888, 0.2939,  
0.3209

 89.5888, 0.2939,  
0.3209

526.6923, 0.3022,  
0.3246

 67.6396, 0.2921,  
0.3201

146.7671, 0.2967,  
0.3222

 49.6046, 0.2899,  
0.3191


182.7650, 0.2978,  
0.3227

 35.0993, 0.2871,  
0.3178


224.2146, 0.2988,  
0.3231

 23.7394, 0.2836,  
0.3162

271.5004, 0.2997,  
0.3235

 15.1404, 0.2790,  
0.3140

325.0066, 0.3004,  
0.3238

 8.9180, 0.2727,  
0.3110

385.1178, 0.3011,

 4.6877, 0.2635,

0.3241

0.3064

452.2182, 0.3017,  
0.3243

■ 2.0652, 0.2488,  
0.2988

■ 0.6450, 0.2061,  
0.2838

■ 89.5888, 0.2939,  
0.3209

■ 89.5888, 0.2939,  
0.3209

■ 81.8788, 0.2786,  
0.3135

■ 98.0581, 0.3094,  
0.3276

■ 74.8884, 0.2638,  
0.3054

99.9974, 0.3127,  
0.3290

■ 68.5908, 0.2498,  
0.2968

■ 62.9528, 0.2371,  
0.2877

■ 57.9381, 0.2258,  
0.2782

■ 53.5061, 0.2164,  
0.2685

■ 49.6104, 0.2090,  
0.2588

■ 46.1949, 0.2036,  
0.2491

■ 43.7808, 0.2005,  
0.2416

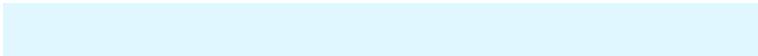
# Harmonies

## Analogous

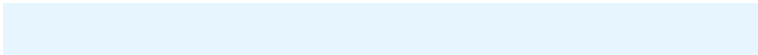
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5888, 0.2973, 0.3295



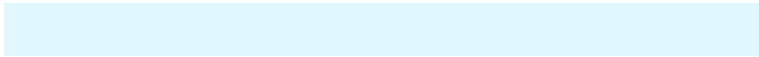
89.5888, 0.2939, 0.3209



89.5888, 0.2955, 0.3147

# Triad

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



89.5888, 0.2939, 0.3209



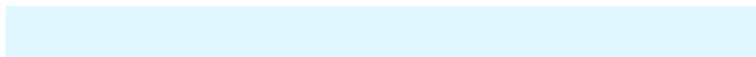
89.5888, 0.3206, 0.3201



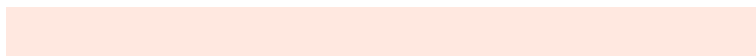
89.5888, 0.3237, 0.3461

# Complementary

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



89.5888, 0.2939, 0.3209



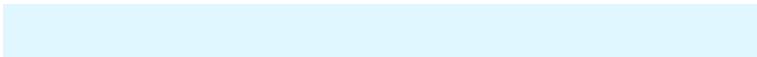
84.3376, 0.3338, 0.3370

# Split Complementary

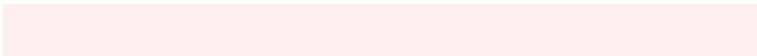
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5888, 0.3302, 0.3432



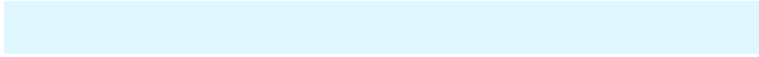
89.5888, 0.2939, 0.3209



89.5888, 0.3284, 0.3282

# Square

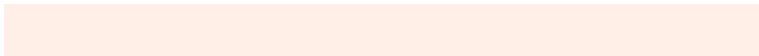
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.5888, 0.2939, 0.3209



89.5888, 0.3108, 0.3144



89.5888, 0.3319, 0.3367

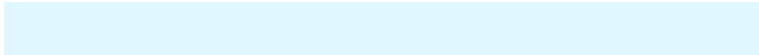


89.5888, 0.3144, 0.3443



# Rectangle

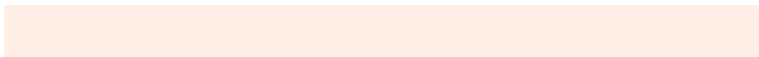
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5888, 0.2939, 0.3209



89.5888, 0.2991, 0.3126



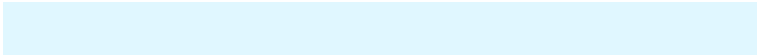
89.5888, 0.3319, 0.3367



89.5888, 0.3263, 0.3456

# Sweetspot

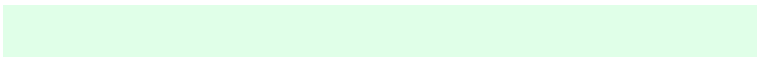
The Sweet Spot groups the original color and five complimentary colors.



89.5925, 0.2939, 0.3209



96.4542, 0.3065, 0.3264



93.1579, 0.3068, 0.3528



20.5054, 0.3053, 0.3259



0.0000, 0.0000, 0.0000

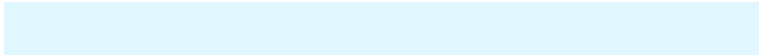


21.4041, 0.3127, 0.3290

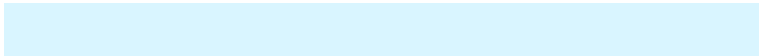


# Same Dimension

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



89.5925, 0.2939, 0.3209



87.3370, 0.2895, 0.3188



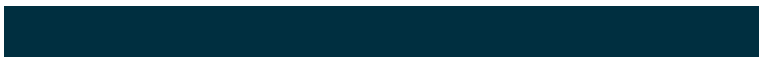
80.6459, 0.2936, 0.3052



19.6441, 0.2980, 0.3227



23.1380, 0.2009, 0.2432



2.4289, 0.2039, 0.2541



# Inverse Universe

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



81.2925, 0.3193, 0.3065



77.3595, 0.3210, 0.3011



93.2952, 0.3319, 0.3518



18.2159, 0.3178, 0.3115



13.0638, 0.3991, 0.1972

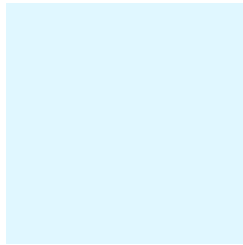


1.2897, 0.3881, 0.1912



# Previews

## White Background



This preview shows how the Yxy color 89.5888, 0.2939, 0.3209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

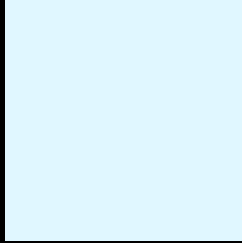
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.5888, 0.2939, 0.3209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

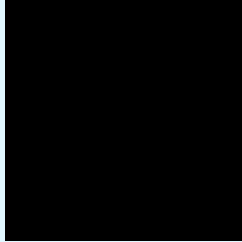
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

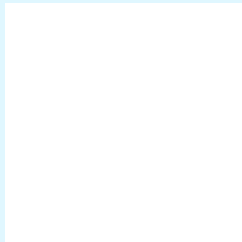
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.5888, 0.2939, 0.3209**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.5888, 0.2939, 0.3209.



This preview shows how white text looks on a background with the Yxy color 89.5888, 0.2939, 0.3209.

# 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

89.5888, 0.2939, 0.3209

### Protanopia

89.1720, 0.3080, 0.3182

### Deuteranopia

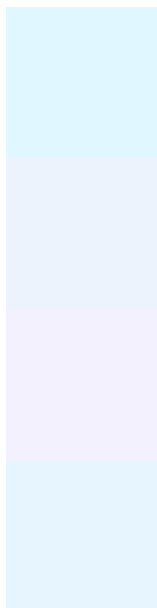
89.5009, 0.3147, 0.3146



## Tritanopia

89.4138, 0.2999, 0.3180

# Trichromacy



## Original Color

89.5888, 0.2939, 0.3209

## Protanomaly

89.1976, 0.3030, 0.3190

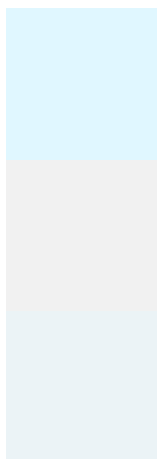
## Deuteranomaly

89.2994, 0.3069, 0.3162

## Tritanomaly

89.3478, 0.2975, 0.3189

# Monochromacy



## Original Color

89.5888, 0.2939, 0.3209

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

88.4172, 0.3058, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  89.5888, 0.2939, 0.3209 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(224, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 247, 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(224, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 247, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 89.5888, 0.2939, 0.3209 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(224, 247, 255) }
```

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

```
.border{ border-color:rgb(224, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 247,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.5888, 0.2939, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 247, 255) }
```

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

```
.background{ background-color: rgb(224,  
247, 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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