

# Converting Colors

$Yxy(87.3676, 0.2736, 0.2809)$

Have a look what the booklet for  
Yxy(87.3676, 0.2736, 0.2809)  
contains.

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# Color

**Yxy(84.9123, 0.2919, 0.3136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDF0FF
RGB	221, 240, 255
RGB Percent	87%, 94%, 100%
CMY	0.1332, 0.0588, 0.0001
CMYK	0.13, 0.06, 0.00, 0.00
HSL	207°, 100%, 93%
HSV	207°, 13%, 100%
XYZ	79.0367, 84.9123, 106.8173
YIQ	236.0290, -16.1390, 0.6370

# Conversions

## Conversions Part 2

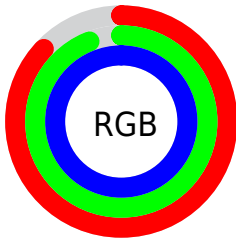
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 233, 255
Decimal	14545151
CIE Lab	93.85, -3.29, -9.34
CIE LCh	94, 9.901, 250.602
Yxy	84.9123, 0.2919, 0.3136
Android (android.graphics.Color)	4292735231 (0xFFDDDF0FF)
YUV	236.0290, 9.3527, -13.1804
Hunter-Lab	92.1479, -8.1565, -4.2251

# Details

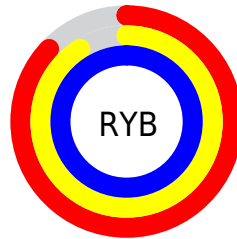
The Yxy color **84.9123, 0.2919, 0.3136** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4915, 0.3352, 0.3439**, and the grayscale version is **83.8473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4652, 0.2877, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **74.7855, 0.2758, 0.3005**, and if you desaturate by 10%, it is **96.0656, 0.3076, 0.3254**.

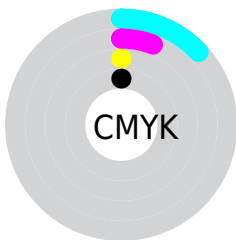
# Distribution



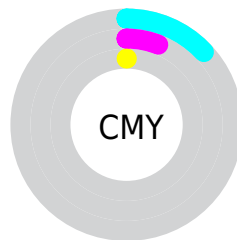
- Red (87%)
- Green (94%)
- Blue (100%)



- Red (87%)
- Yellow (91%)
- Blue (100%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9123, 0.2919, 0.3136 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 84.9123, 0.2919, 0.3136 by changing the saturation by 10% instead.



84.9123, 0.2919,  
0.3136

84.9123, 0.2919,  
0.3136

511.3378, 0.3012,  
0.3206

63.7689, 0.2898,  
0.3120

140.2506, 0.2951,  
0.3160

46.4635, 0.2873,  
0.3101

175.2144, 0.2963,  
0.3169

32.6118, 0.2842,  
0.3078

215.5537, 0.2974,  
0.3177

21.8292, 0.2802,  
0.3047

261.6530, 0.2984,  
0.3184

13.7315, 0.2749,  
0.3006

313.8967, 0.2992,  
0.3191

7.9341, 0.2676,  
0.2949

372.6691, 0.2999,

4.0528, 0.2568,

0.3196

0.2863

438.3547, 0.3006,  
0.3201

■ 1.7032, 0.2393,  
0.2721

■ 0.4257, 0.1730,  
0.2271

■ 84.9123, 0.2919,  
0.3136

■ 84.9123, 0.2919,  
0.3136

■ 74.7855, 0.2758,  
0.3005

■ 96.0656, 0.3076,  
0.3254

■ 65.6398, 0.2598,  
0.2862

99.9990, 0.3127,  
0.3290

■ 57.4417, 0.2440,  
0.2707

■ 50.1516, 0.2290,  
0.2543

■ 43.7259, 0.2153,  
0.2372

■ 38.1168, 0.2033,  
0.2197

■ 33.2696, 0.1934,  
0.2024

■ 29.1197, 0.1858,  
0.1855

■ 26.6742, 0.1819,  
0.1747

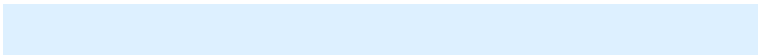
# Harmonies

## Analogous

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



84.9123, 0.2913, 0.3216



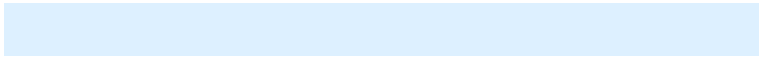
84.9123, 0.2919, 0.3136



84.9123, 0.2980, 0.3099

# Triad

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



84.9123, 0.2919, 0.3136



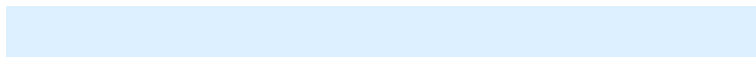
84.9123, 0.3293, 0.3259



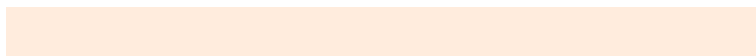
84.9123, 0.3171, 0.3477

# Complementary

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



84.9123, 0.2919, 0.3136



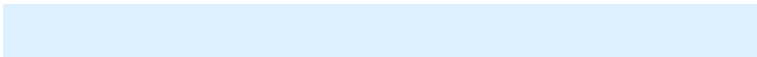
86.4915, 0.3352, 0.3439

# Split Complementary

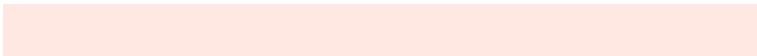
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9123, 0.3275, 0.3486



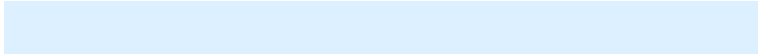
84.9123, 0.2919, 0.3136



84.9123, 0.3346, 0.3358

# Square

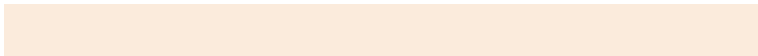
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9123, 0.2919, 0.3136



84.9123, 0.3195, 0.3170



84.9123, 0.3339, 0.3441

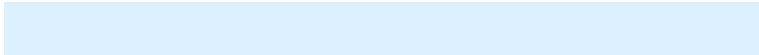


84.9123, 0.3057, 0.3415



# Rectangle

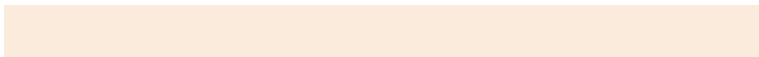
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9123, 0.2919, 0.3136



84.9123, 0.3044, 0.3102



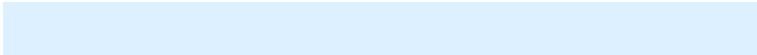
84.9123, 0.3339, 0.3441



84.9123, 0.3208, 0.3486

# Sweetspot

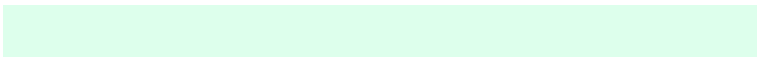
The Sweet Spot groups the original color and five complimentary colors.



84.9158, 0.2919, 0.3136



95.2758, 0.3066, 0.3246



92.9313, 0.3028, 0.3487



20.2068, 0.3054, 0.3238



0.0000, 0.0000, 0.0000

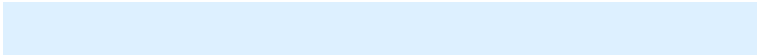


21.4041, 0.3127, 0.3290

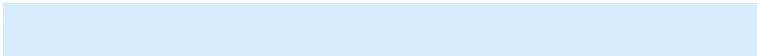


# Same Dimension

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



84.9158, 0.2919, 0.3136



82.1030, 0.2876, 0.3102



75.5392, 0.2914, 0.2961



19.0601, 0.2979, 0.3182



14.2424, 0.1826, 0.1773



1.6046, 0.1878, 0.1961



# Inverse Universe

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



79.2856, 0.3242, 0.3103



75.5677, 0.3269, 0.3064



96.5551, 0.3330, 0.3599



18.1569, 0.3206, 0.3158



12.1657, 0.4717, 0.2372

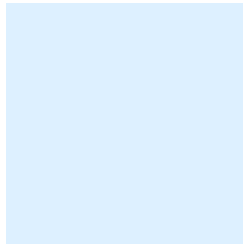


1.2065, 0.4497, 0.2251



# Previews

## White Background



This preview shows how the Yxy color 84.9123, 0.2919, 0.3136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

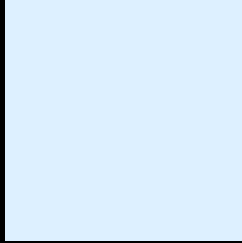
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9123, 0.2919, 0.3136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

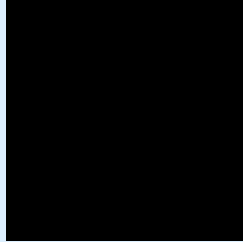
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

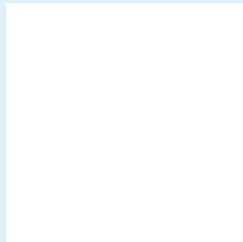
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.9123, 0.2919, 0.3136**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9123, 0.2919, 0.3136.



This preview shows how white text looks on a background with the Yxy color 84.9123, 0.2919, 0.3136.

# 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

84.9123, 0.2919, 0.3136

### Protanopia

85.0237, 0.3036, 0.3130

### Deuteranopia

84.6958, 0.3105, 0.3056



## Tritanopia

84.8003, 0.2937, 0.3126

# Trichromacy



## Original Color

84.9123, 0.2919, 0.3136

## Protanomaly

84.6491, 0.2992, 0.3128

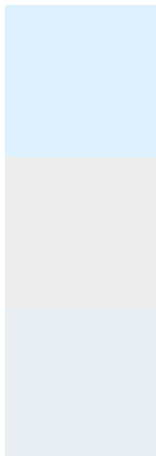
## Deuteranomaly

84.4164, 0.3032, 0.3081

## Tritanomaly

84.6410, 0.2931, 0.3126

# Monochromacy



## Original Color

84.9123, 0.2919, 0.3136

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.0284, 0.3051, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  84.9123, 0.2919, 0.3136 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(221, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 240, 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(221, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9123, 0.2919, 0.3136 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(221, 240, 255) }
```

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

```
.border{ border-color:rgb(221, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9123, 0.2919, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 240, 255) }
```

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

```
.background{ background-color: rgb(221,  
240, 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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