

# Converting Colors

Yxy(84.9524, 0.2908, 0.3141)

Have a look what the booklet for  
Yxy(84.9524, 0.2908, 0.3141)  
contains.

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# Color

**Yxy(85.1907, 0.2907, 0.3146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF1FF
RGB	219, 241, 255
RGB Percent	86%, 95%, 100%
CMY	0.1411, 0.0549, 0.0001
CMYK	0.14, 0.05, 0.00, 0.00
HSL	203°, 100%, 93%
HSV	203°, 14%, 100%
XYZ	78.7188, 85.1907, 106.8810
YIQ	236.0180, -17.6060, -0.3100

# Conversions

## Conversions Part 2

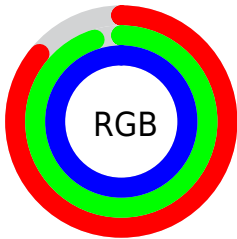
Format	Color
R <sub>Y</sub> B	219, 233, 255
Decimal	14414335
CIE Lab	93.97, -4.44, -9.17
CIE LCh	94, 10.188, 244.186
Yxy	85.1907, 0.2907, 0.3146
Android (android.graphics.Color)	4292604415 (0xFFDBF1FF)
YUV	236.0180, 9.3581, -14.9248
Hunter-Lab	92.2988, -9.2858, -4.0480

# Details

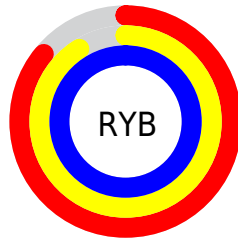
The Yxy color **85.1907, 0.2907, 0.3146** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.6428, 0.3370, 0.3430**, and the grayscale version is **83.8356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6677, 0.2863, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **75.8303, 0.2749, 0.3031**, and if you desaturate by 10%, it is **95.4829, 0.3064, 0.3250**.

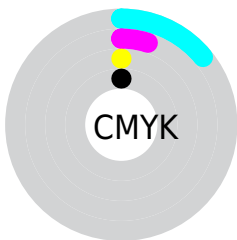
# Distribution



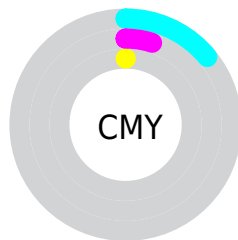
- Red (86%)
- Green (95%)
- Blue (100%)



- Red (86%)
- Yellow (91%)
- Blue (100%)



- Cyan (14%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1907, 0.2907, 0.3146 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 85.1907, 0.2907, 0.3146 by changing the saturation by 10% instead.



85.1907, 0.2907,  
0.3146

85.1907, 0.2907,  
0.3146

512.2589, 0.3005,  
0.3211

63.9990, 0.2885,  
0.3131

140.6396, 0.2941,  
0.3168

46.6498, 0.2859,  
0.3113

175.6655, 0.2954,  
0.3177

32.7589, 0.2826,  
0.3091

216.0716, 0.2965,  
0.3185

21.9418, 0.2784,  
0.3062

262.2423, 0.2975,  
0.3191

13.8142, 0.2728,  
0.3024

314.5620, 0.2984,  
0.3197

7.9915, 0.2651,  
0.2969

373.4151, 0.2992,

4.0895, 0.2538,

0.3203

0.2888

439.1859, 0.2999,  
0.3207

■ 1.7238, 0.2355,  
0.2752

■ 0.4390, 0.1647,  
0.2341

■ 85.1907, 0.2907,  
0.3146

■ 85.1907, 0.2907,  
0.3146

■ 75.8303, 0.2749,  
0.3031

■ 95.4829, 0.3064,  
0.3250

■ 67.3587, 0.2592,  
0.2905

99.9985, 0.3127,  
0.3290

■ 59.7445, 0.2441,  
0.2769

■ 52.9504, 0.2299,  
0.2626

■ 46.9353, 0.2171,  
0.2476

■ 41.6537, 0.2060,  
0.2324

■ 37.0533, 0.1971,  
0.2171

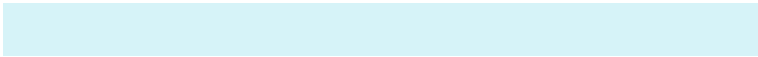
■ 33.0713, 0.1903,  
0.2022

■ 30.9627, 0.1871,  
0.1937

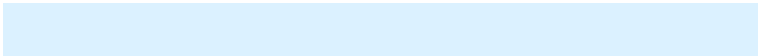
# Harmonies

## Analogous

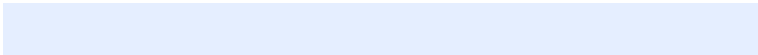
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1907, 0.2914, 0.3235



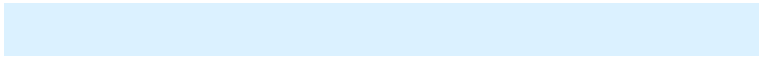
85.1907, 0.2907, 0.3146



85.1907, 0.2958, 0.3098

# Triad

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



85.1907, 0.2907, 0.3146



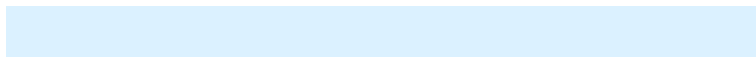
85.1907, 0.3279, 0.3237



85.1907, 0.3197, 0.3489

# Complementary

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



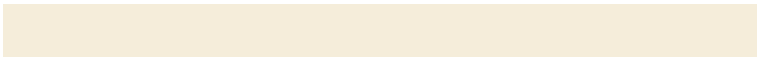
85.1907, 0.2907, 0.3146



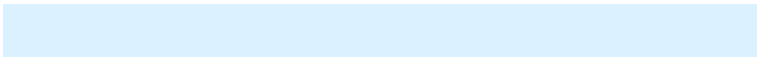
84.6428, 0.3370, 0.3430

# 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.



85.1907, 0.3297, 0.3486



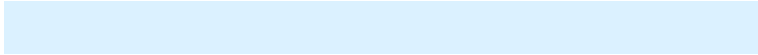
85.1907, 0.2907, 0.3146



85.1907, 0.3346, 0.3339

# Square

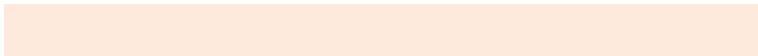
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1907, 0.2907, 0.3146



85.1907, 0.3172, 0.3151



85.1907, 0.3352, 0.3430

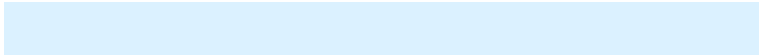


85.1907, 0.3080, 0.3436



# Rectangle

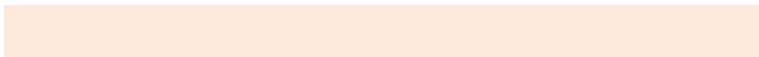
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1907, 0.2907, 0.3146



85.1907, 0.3019, 0.3093



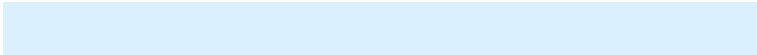
85.1907, 0.3352, 0.3430



85.1907, 0.3234, 0.3494

# Sweetspot

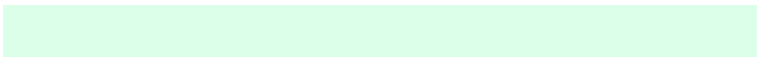
The Sweet Spot groups the original color and five complimentary colors.



85.1942, 0.2907, 0.3146



95.6138, 0.3065, 0.3251



92.4396, 0.3032, 0.3519



20.2924, 0.3054, 0.3244



0.0000, 0.0000, 0.0000

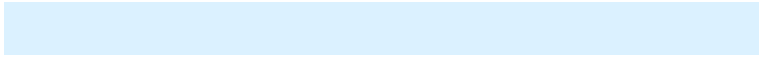


21.4041, 0.3127, 0.3290

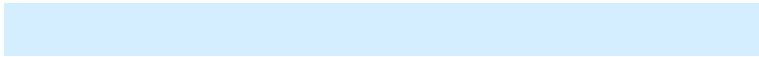


# Same Dimension

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



85.1942, 0.2907, 0.3146



82.4050, 0.2861, 0.3114



75.1702, 0.2901, 0.2958



19.2268, 0.2979, 0.3195



16.4807, 0.1878, 0.1961



1.8170, 0.1925, 0.2128



# Inverse Universe

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



78.2787, 0.3237, 0.3073



74.3544, 0.3263, 0.3027



95.2286, 0.3345, 0.3601



18.1738, 0.3198, 0.3146



12.3917, 0.4497, 0.2251

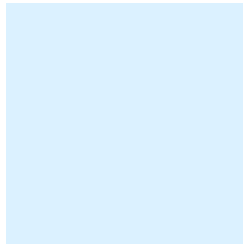


1.2280, 0.4310, 0.2148



# Previews

## White Background



This preview shows how the Yxy color 85.1907, 0.2907, 0.3146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

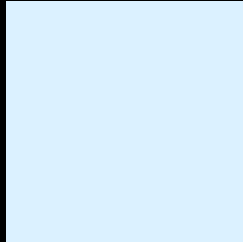
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.1907, 0.2907, 0.3146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

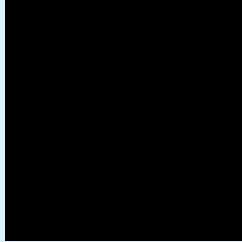
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

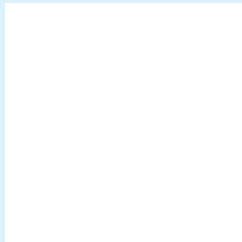
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.1907, 0.2907, 0.3146**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.1907, 0.2907, 0.3146.



This preview shows how white text looks on a background with the Yxy color 85.1907, 0.2907, 0.3146.

# 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

85.1907, 0.2907, 0.3146

### Protanopia

85.0237, 0.3036, 0.3130

### Deuteranopia

84.6958, 0.3105, 0.3056



## Tritanopia

85.3875, 0.2937, 0.3137

# Trichromacy



## Original Color

85.1907, 0.2907, 0.3146

## Protanomaly

85.0639, 0.2986, 0.3138

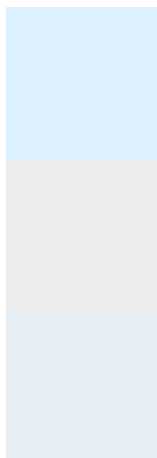
## Deuteranomaly

84.9874, 0.3032, 0.3091

## Tritanomaly

85.0698, 0.2925, 0.3136

# Monochromacy



## Original Color

85.1907, 0.2907, 0.3146

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.4431, 0.3045, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.1907, 0.2907, 0.3146 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(219, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 241, 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(219, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 241, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.1907, 0.2907, 0.3146 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(219, 241, 255) }
```

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

```
.border{ border-color:rgb(219, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 241,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.1907, 0.2907, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 241, 255) }
```

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

```
.background{ background-color: rgb(219,  
241, 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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