

# Converting Colors

Yxy(84.9443, 0.2924, 0.3132)

Have a look what the booklet for  
Yxy(84.9443, 0.2924, 0.3132)  
contains.

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# Color

**Yxy(85.0698, 0.2925, 0.3136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEF0FF
RGB	222, 240, 255
RGB Percent	87%, 94%, 100%
CMY	0.1292, 0.0589, 0.0000
CMYK	0.13, 0.06, 0.00, 0.00
HSL	207°, 100%, 94%
HSV	207°, 13%, 100%
XYZ	79.3460, 85.0698, 106.8527
YIQ	236.3280, -15.5430, 0.8490

# Conversions

## Conversions Part 2

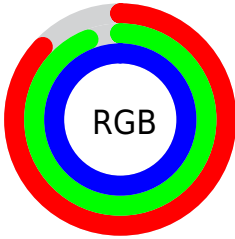
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 234, 255
Decimal	14610687
CIE Lab	93.91, -2.97, -9.24
CIE LCh	94, 9.708, 252.197
Yxy	85.0698, 0.2925, 0.3136
Android (android.graphics.Color)	4292800767 (0xFFDEF0FF)
YUV	236.3280, 9.2053, -12.5657
Hunter-Lab	92.2333, -7.8491, -4.1244

# Details

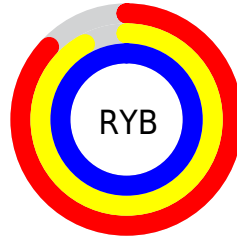
The Yxy color **85.0698, 0.2925, 0.3136** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1383, 0.3344, 0.3439**, and the grayscale version is **84.0894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5737, 0.2885, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **74.7241, 0.2764, 0.3002**, and if you desaturate by 10%, it is **96.4680, 0.3082, 0.3257**.

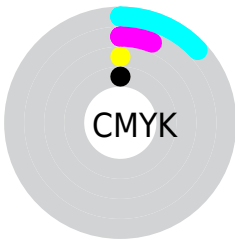
# Distribution



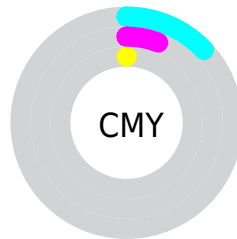
- Red (87%)
- Green (94%)
- Blue (100%)



- Red (87%)
- Yellow (92%)
- 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 85.0698, 0.2925, 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 85.0698, 0.2925, 0.3136 by changing the saturation by 10% instead.



85.0698, 0.2925,  
0.3136

85.0698, 0.2925,  
0.3136

511.8590, 0.3016,  
0.3206

63.8991, 0.2905,  
0.3120

140.4707, 0.2956,  
0.3160

46.5689, 0.2881,  
0.3102

175.4696, 0.2968,  
0.3169

32.6950, 0.2850,  
0.3078

215.8468, 0.2979,  
0.3177

21.8929, 0.2812,  
0.3047

261.9865, 0.2988,  
0.3184

13.7782, 0.2760,  
0.3006

314.2731, 0.2996,  
0.3191

7.9666, 0.2689,  
0.2950

373.0912, 0.3003,

4.0736, 0.2584,

0.3196

0.2864

438.8250, 0.3010,  
0.3201

■ 1.7148, 0.2414,  
0.2723

■ 0.4332, 0.1787,  
0.2282

■ 85.0698, 0.2925,  
0.3136

■ 85.0698, 0.2925,  
0.3136

■ 74.7241, 0.2764,  
0.3002

■ 96.4680, 0.3082,  
0.3257

■ 65.3868, 0.2602,  
0.2854

100.0000, 0.3127,  
0.3290

■ 57.0232, 0.2443,  
0.2695

■ 49.5927, 0.2291,  
0.2525

■ 43.0514, 0.2151,  
0.2348

■ 37.3506, 0.2028,  
0.2168

■ 32.4351, 0.1927,  
0.1989

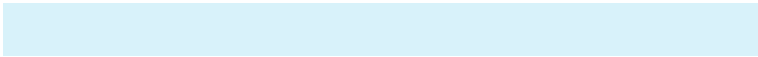
■ 28.2398, 0.1848,  
0.1816

■ 25.6429, 0.1805,  
0.1698

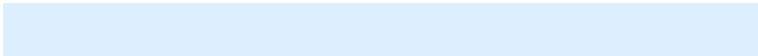
# Harmonies

## Analogous

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



85.0698, 0.2916, 0.3212



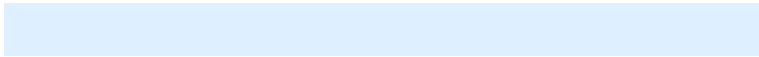
85.0698, 0.2925, 0.3136



85.0698, 0.2987, 0.3102

# Triad

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



85.0698, 0.2925, 0.3136



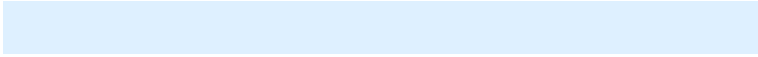
85.0698, 0.3294, 0.3265



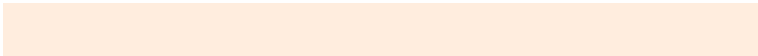
85.0698, 0.3164, 0.3471

# Complementary

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



85.0698, 0.2925, 0.3136



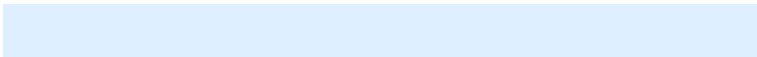
87.1383, 0.3344, 0.3439

# Split Complementary

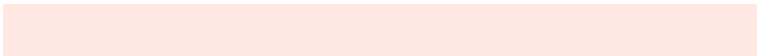
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0698, 0.3267, 0.3483



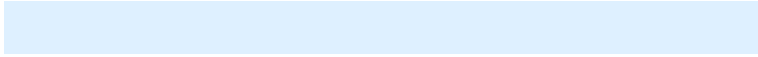
85.0698, 0.2925, 0.3136



85.0698, 0.3343, 0.3362

# Square

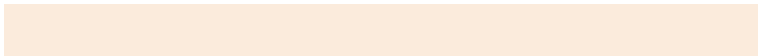
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



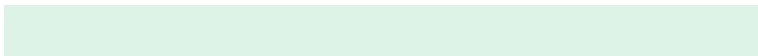
85.0698, 0.2925, 0.3136



85.0698, 0.3199, 0.3177



85.0698, 0.3333, 0.3442

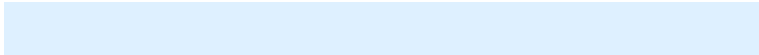


85.0698, 0.3053, 0.3408



# Rectangle

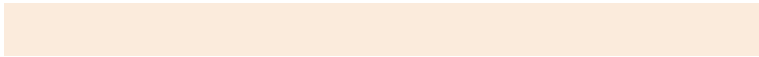
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0698, 0.2925, 0.3136



85.0698, 0.3051, 0.3107



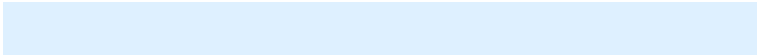
85.0698, 0.3333, 0.3442



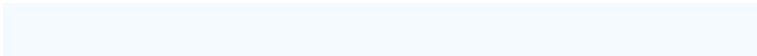
85.0698, 0.3201, 0.3481

# Sweetspot

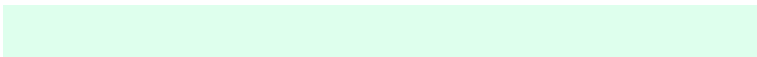
The Sweet Spot groups the original color and five complimentary colors.



85.0727, 0.2925, 0.3136



95.1880, 0.3066, 0.3245



93.1646, 0.3028, 0.3475



20.1846, 0.3054, 0.3236



0.0000, 0.0000, 0.0000

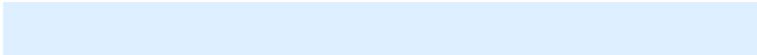


21.4041, 0.3127, 0.3290

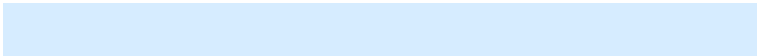


# Same Dimension

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



85.0727, 0.2925, 0.3136



81.7773, 0.2876, 0.3096



75.9059, 0.2921, 0.2965



19.0170, 0.2979, 0.3179



13.7015, 0.1813, 0.1725



1.5526, 0.1866, 0.1918



# Inverse Universe

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



79.8195, 0.3241, 0.3113



75.5348, 0.3273, 0.3069



97.0099, 0.3323, 0.3595



18.1526, 0.3208, 0.3161



12.1111, 0.4776, 0.2404

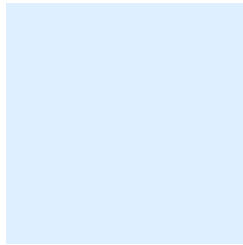


1.2013, 0.4547, 0.2279



# Previews

## White Background



This preview shows how the Yxy color 85.0698, 0.2925, 0.3136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

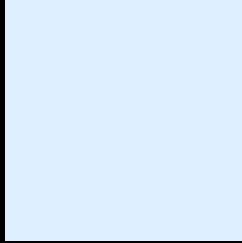
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.0698, 0.2925, 0.3136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

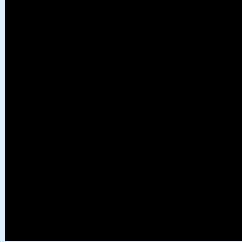
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

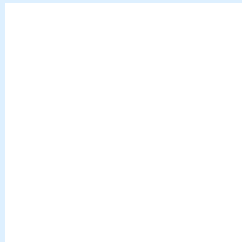
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.0698, 0.2925, 0.3136**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0698, 0.2925, 0.3136.

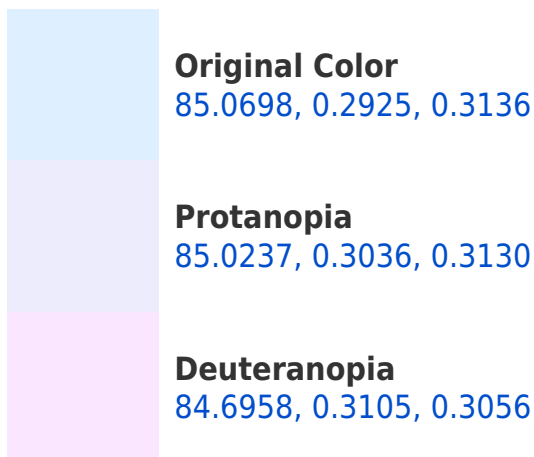


This preview shows how white text looks on a background with the Yxy color 85.0698, 0.2925, 0.3136.

# 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

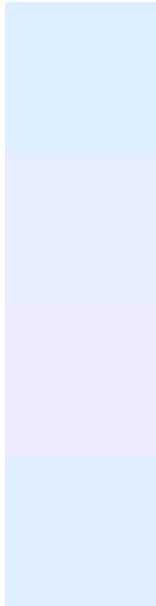




## Tritanopia

84.9606, 0.2943, 0.3127

# Trichromacy



## Original Color

85.0698, 0.2925, 0.3136

## Protanomaly

84.8160, 0.2998, 0.3128

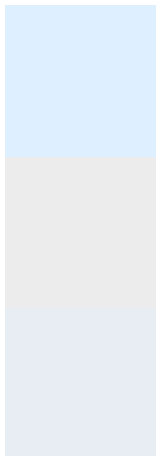
## Deuteranomaly

84.5909, 0.3038, 0.3081

## Tritanomaly

84.8003, 0.2937, 0.3126

# Monochromacy



## Original Color

85.0698, 0.2925, 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 85.0698, 0.2925, 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(222, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0698, 0.2925, 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(222, 240, 255) }
```

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

```
.border{ border-color:rgb(222, 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(222, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0698, 0.2925, 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(222, 240, 255) }
```

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

```
.background{ background-color: rgb(222,  
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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