

# Converting Colors

$Yxy(87.0202, 0.2938, 0.3165)$

Have a look what the booklet for  
Yxy(87.0202, 0.2938, 0.3165)  
contains.

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# Color

**Yxy(87.1685, 0.2938, 0.3168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0F3FF
RGB	224, 243, 255
RGB Percent	88%, 95%, 100%
CMY	0.1215, 0.0470, 0.0001
CMYK	0.12, 0.05, 0.00, 0.00
HSL	203°, 100%, 94%
HSV	203°, 12%, 100%
XYZ	80.8400, 87.1685, 107.1446
YIQ	238.6870, -15.1760, -0.2960

# Conversions

## Conversions Part 2

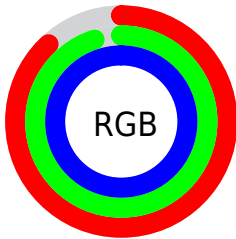
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 236, 255
Decimal	14742527
CIE Lab	94.81, -3.90, -7.88
CIE LCh	95, 8.789, 243.686
Yxy	87.1685, 0.2938, 0.3168
Android (android.graphics.Color)	4292932607 (0xFFE0F3FF)
YUV	238.6870, 8.0423, -12.8805
Hunter-Lab	93.3641, -8.8316, -2.6864

# Details

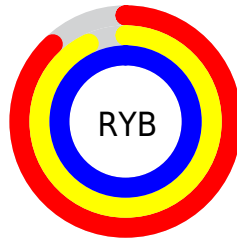
The Yxy color **87.1685, 0.2938, 0.3168** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6159, 0.3333, 0.3409**, and the grayscale version is **86.0085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0529, 0.2902, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **77.6574, 0.2780, 0.3055**, and if you desaturate by 10%, it is **97.6143, 0.3094, 0.3270**.

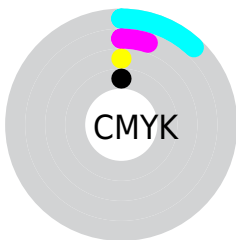
# Distribution



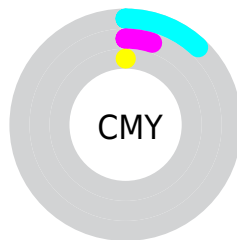
- Red (88%)
- Green (95%)
- Blue (100%)



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



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1685, 0.2938, 0.3168 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 87.1685, 0.2938, 0.3168 by changing the saturation by 10% instead.




 87.1685, 0.2938,  
0.3168

 87.1685, 0.2938,  
0.3168

518.7764, 0.3022,  
0.3223

 65.6347, 0.2919,  
0.3156

143.3990, 0.2967,  
0.3187

 47.9759, 0.2897,  
0.3141

178.8644, 0.2978,  
0.3194

 33.8078, 0.2869,  
0.3122


219.7425, 0.2988,  
0.3201

 22.7460, 0.2833,  
0.3098

266.4176, 0.2996,  
0.3206

 14.4061, 0.2786,  
0.3066

319.2741, 0.3004,  
0.3211

 8.4036, 0.2721,  
0.3021

378.6965, 0.3011,

 4.3543, 0.2625,

0.3216

0.2954

445.0692, 0.3017,  
0.3220

■ 1.8737, 0.2471,  
0.2843

■ 0.5325, 0.1972,  
0.2555

■ 87.1685, 0.2938,  
0.3168

■ 87.1685, 0.2938,  
0.3168

■ 77.6574, 0.2780,  
0.3055

■ 97.6143, 0.3094,  
0.3270

■ 69.0382, 0.2623,  
0.2932

99.9980, 0.3127,  
0.3290

■ 61.2803, 0.2470,  
0.2799

■ 54.3468, 0.2326,  
0.2658

■ 48.1978, 0.2195,  
0.2510

■ 42.7886, 0.2082,  
0.2359

■ 38.0686, 0.1988,  
0.2207

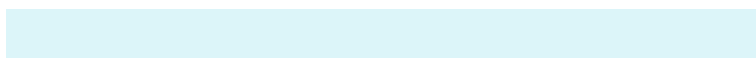
■ 33.9778, 0.1917,  
0.2058

■ 31.1364, 0.1873,  
0.1944

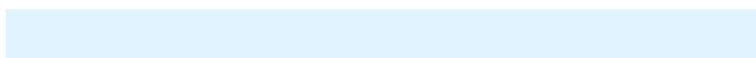
# Harmonies

## Analogous

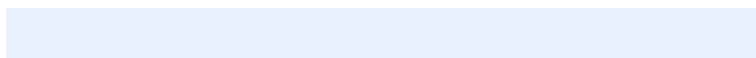
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1685, 0.2945, 0.3245



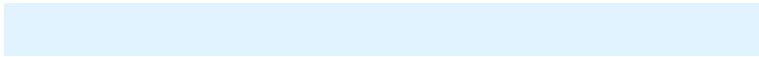
87.1685, 0.2938, 0.3168



87.1685, 0.2981, 0.3125

# Triad

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



87.1685, 0.2938, 0.3168



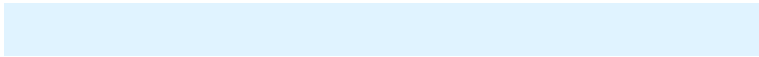
87.1685, 0.3256, 0.3244



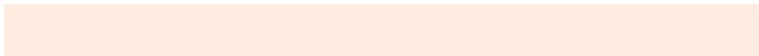
87.1685, 0.3189, 0.3460

# Complementary

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



87.1685, 0.2938, 0.3168



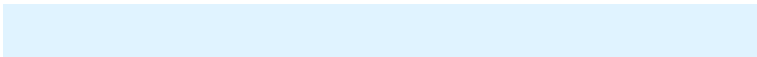
86.6159, 0.3333, 0.3409

# Split Complementary

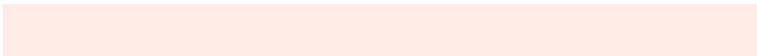
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1685, 0.3274, 0.3457



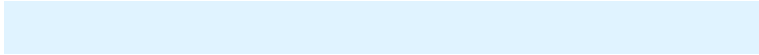
87.1685, 0.2938, 0.3168



87.1685, 0.3313, 0.3331

# Square

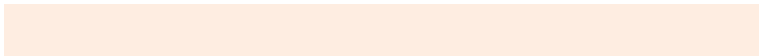
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1685, 0.2938, 0.3168



87.1685, 0.3164, 0.3169



87.1685, 0.3320, 0.3409

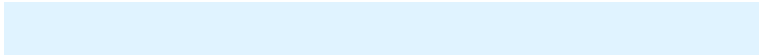


87.1685, 0.3088, 0.3416



# Rectangle

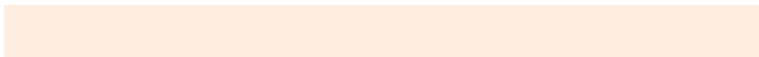
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1685, 0.2938, 0.3168



87.1685, 0.3033, 0.3121



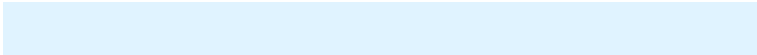
87.1685, 0.3320, 0.3409



87.1685, 0.3220, 0.3464

# Sweetspot

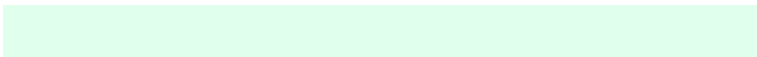
The Sweet Spot groups the original color and five complimentary colors.



87.1721, 0.2938, 0.3168



95.6269, 0.3065, 0.3252



93.3992, 0.3045, 0.3485



20.2957, 0.3054, 0.3244



0.0000, 0.0000, 0.0000

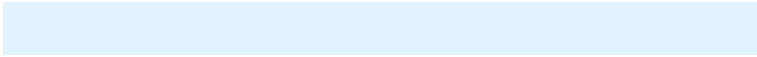


21.4041, 0.3127, 0.3290

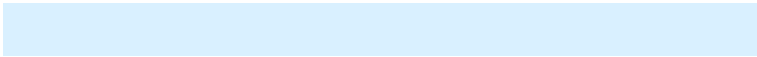


# Same Dimension

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



87.1721, 0.2938, 0.3168



84.3809, 0.2893, 0.3137



78.3496, 0.2935, 0.3008



19.2332, 0.2979, 0.3196



16.5722, 0.1880, 0.1968



1.8256, 0.1926, 0.2135



# Inverse Universe

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



81.0453, 0.3219, 0.3104



77.0610, 0.3244, 0.3058



95.8549, 0.3314, 0.3557



18.1744, 0.3198, 0.3145



12.4009, 0.4489, 0.2247

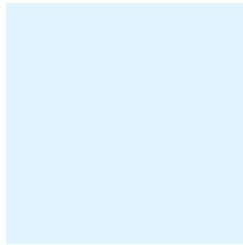


1.2288, 0.4303, 0.2144



# Previews

## White Background



This preview shows how the Yxy color 87.1685, 0.2938, 0.3168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

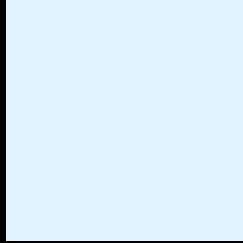
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.1685, 0.2938, 0.3168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

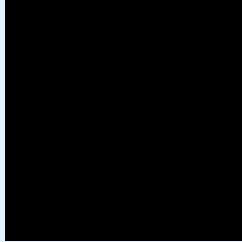
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

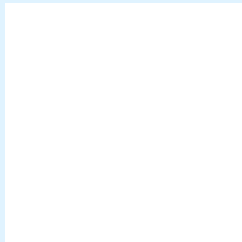
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.1685, 0.2938, 0.3168**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.1685, 0.2938, 0.3168.



This preview shows how white text looks on a background with the Yxy color 87.1685, 0.2938, 0.3168.

# 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

87.1685, 0.2938, 0.3168

### Protanopia

86.7026, 0.3055, 0.3151

### Deuteranopia

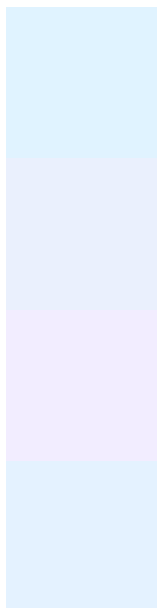
86.9483, 0.3123, 0.3087



## Tritanopia

86.9536, 0.2974, 0.3149

# Trichromacy



## Original Color

87.1685, 0.2938, 0.3168

## Protanomaly

86.9045, 0.3011, 0.3159

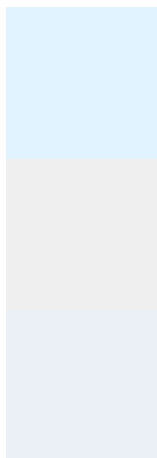
## Deuteranomaly

86.6656, 0.3051, 0.3112

## Tritanomaly

87.2182, 0.2962, 0.3158

# Monochromacy



## Original Color

87.1685, 0.2938, 0.3168

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.4052, 0.3058, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.1685, 0.2938, 0.3168 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, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 243, 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, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 87.1685, 0.2938, 0.3168 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, 243, 255) }
```

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

```
.border{ border-color:rgb(224, 243, 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, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.1685, 0.2938, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 243, 255) }
```

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

```
.background{ background-color: rgb(224,  
243, 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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