

# Converting Colors

Yxy(86.6427, 0.2965, 0.3247)

Have a look what the booklet for  
Yxy(86.6427, 0.2965, 0.3247)  
contains.

<b>Yxy(87.0083, 0.2965, 0.3248)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(87.0083, 0.2965, 0.3248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEF4F8
RGB	222, 244, 248
RGB Percent	87%, 96%, 97%
CMY	0.1293, 0.0432, 0.0273
CMYK	0.10, 0.02, 0.00, 0.03
HSL	189°, 65%, 92%
HSV	189°, 10%, 97%
XYZ	79.4272, 87.0083, 101.4472
YIQ	237.8780, -14.3960, -3.4200

# Conversions

## Conversions Part 2

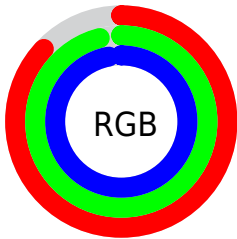
Format	Color
R <sub>Y</sub> B	222, 234, 248
Decimal	14611704
CIE Lab	94.74, -6.38, -4.41
CIE LCh	95, 7.753, 214.627
Yxy	87.0083, 0.2965, 0.3248
Android (android.graphics.Color)	4292801784 (0xFFDEF4F8)
YUV	237.8780, 4.9901, -13.9250
Hunter-Lab	93.2782, -11.2426, 0.8124

# Details

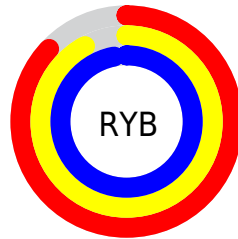
The Yxy color **87.0083, 0.2965, 0.3248** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.6671, 0.3309, 0.3332**, and the grayscale version is **85.3760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9877, 0.2929, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **81.0826, 0.2815, 0.3204**, and if you desaturate by 10%, it is **93.5660, 0.3120, 0.3288**.

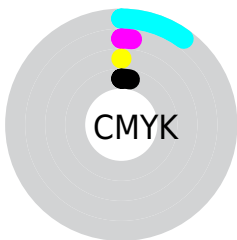
# Distribution



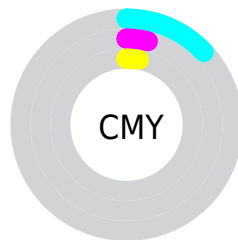
- Red (87%)
- Green (96%)
- Blue (97%)



- Red (87%)
- Yellow (92%)
- Blue (97%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (13%)
- Magenta (4%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0083, 0.2965, 0.3248 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 87.0083, 0.2965, 0.3248 by changing the saturation by 10% instead.



87.0083, 0.2965,  
0.3248

87.0083, 0.2965,  
0.3248

518.2501, 0.3037,  
0.3267

65.5021, 0.2949,  
0.3244

143.1757, 0.2990,  
0.3255

47.8683, 0.2930,  
0.3238

178.6057, 0.2999,  
0.3257

33.7226, 0.2906,  
0.3231

219.4457, 0.3008,  
0.3260

22.6806, 0.2875,  
0.3223

266.0801, 0.3015,  
0.3262

14.3578, 0.2834,  
0.3211

318.8934, 0.3022,  
0.3263

8.3700, 0.2777,  
0.3193

378.2699, 0.3027,

4.3326, 0.2694,

0.3265

444.5940, 0.3033,  
0.3266

0.3167

1.8613, 0.2559,  
0.3122

0.5249, 0.1964,  
0.3004

87.0083, 0.2965,  
0.3248

87.0083, 0.2965,  
0.3248

81.0826, 0.2815,  
0.3204

93.5660, 0.3120,  
0.3288

75.7526, 0.2673,  
0.3157

97.4772, 0.3169,  
0.3325

70.9947, 0.2541,  
0.3106

99.5599, 0.3167,  
0.3357

66.7796, 0.2423,  
0.3053

■ 63.0749, 0.2322,  
0.2999

■ 59.8445, 0.2239,  
0.2943

■ 57.0473, 0.2176,  
0.2887

■ 54.6339, 0.2132,  
0.2831

■ 52.6193, 0.2105,  
0.2778

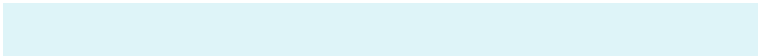
# Harmonies

## Analogous

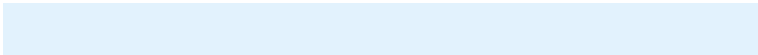
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0083, 0.3012, 0.3328



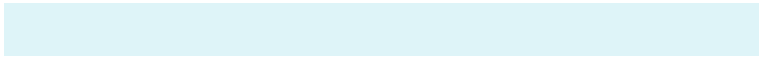
87.0083, 0.2965, 0.3248



87.0083, 0.2961, 0.3181

# Triad

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



87.0083, 0.2965, 0.3248



87.0083, 0.3163, 0.3185



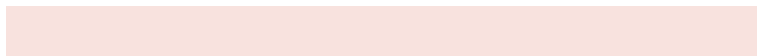
87.0083, 0.3255, 0.3438

# Complementary

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



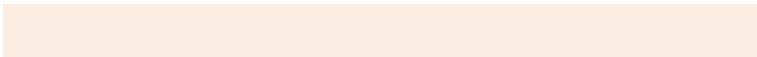
87.0083, 0.2965, 0.3248



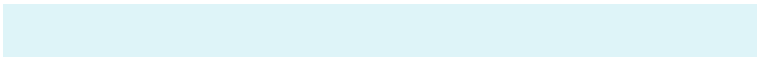
79.6671, 0.3309, 0.3332

# 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.



87.0083, 0.3297, 0.3397



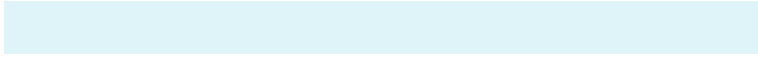
87.0083, 0.2965, 0.3248



87.0083, 0.3243, 0.3251

# Square

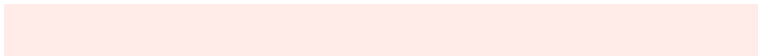
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0083, 0.2965, 0.3248



87.0083, 0.3074, 0.3146



87.0083, 0.3292, 0.3329



87.0083, 0.3179, 0.3439

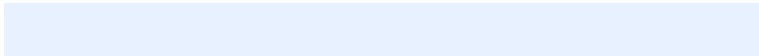


# Rectangle

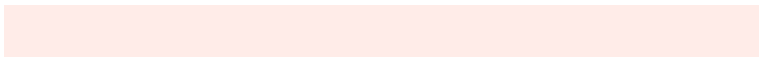
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



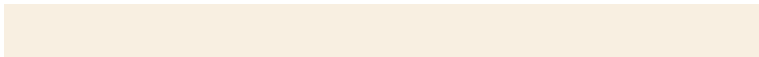
87.0083, 0.2965, 0.3248



87.0083, 0.2982, 0.3152



87.0083, 0.3292, 0.3329



87.0083, 0.3273, 0.3428

# Sweetspot

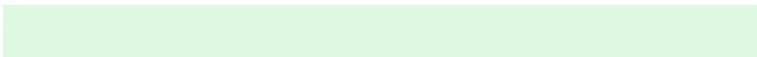
The Sweet Spot groups the original color and five complimentary colors.



87.0119, 0.2965, 0.3248



97.8215, 0.3080, 0.3278



88.1798, 0.3092, 0.3521



20.8154, 0.3068, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

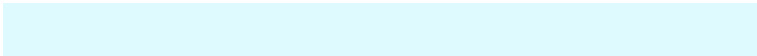


# Same Dimension

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



87.0119, 0.2965, 0.3248



91.0021, 0.2927, 0.3237



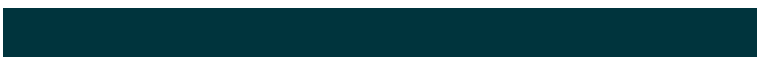
79.5360, 0.2963, 0.3114



19.1219, 0.2980, 0.3252



28.5842, 0.2108, 0.2787



2.7672, 0.2126, 0.2853



# Inverse Universe

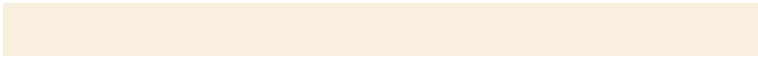
The Inverse Universe completely reimagines the original color for something new.



78.7488, 0.3166, 0.3071



80.3154, 0.3176, 0.3017



86.9333, 0.3294, 0.3460



17.4755, 0.3162, 0.3092



13.2965, 0.3646, 0.1782

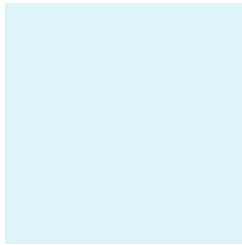


1.2436, 0.3586, 0.1749



# Previews

## White Background



This preview shows how the Yxy color 87.0083, 0.2965, 0.3248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

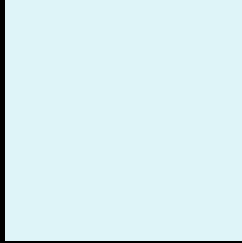
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.0083, 0.2965, 0.3248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

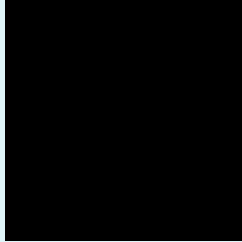
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

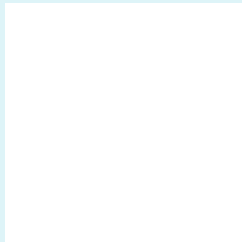
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.0083, 0.2965, 0.3248**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.0083, 0.2965, 0.3248.

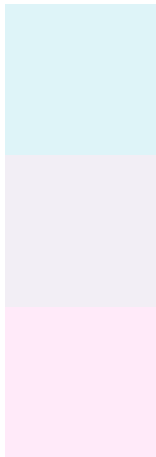


This preview shows how white text looks on a background with the Yxy color 87.0083, 0.2965, 0.3248.

# 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

87.0083, 0.2965, 0.3248

### Protanopia

86.6189, 0.3111, 0.3220

### Deuteranopia

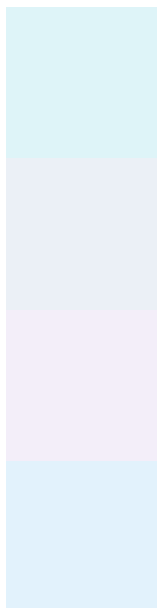
86.9452, 0.3174, 0.3145



## Tritanopia

86.7886, 0.2968, 0.3148

# Trichromacy



## Original Color

87.0083, 0.2965, 0.3248

## Protanomaly

86.6362, 0.3059, 0.3229

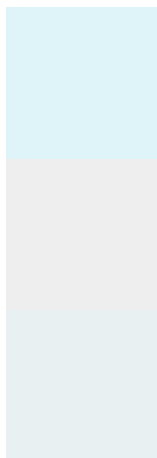
## Deuteranomaly

87.0433, 0.3093, 0.3181

## Tritanomaly

86.7013, 0.2967, 0.3188

# Monochromacy



## Original Color

87.0083, 0.2965, 0.3248

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.8868, 0.3063, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.0083, 0.2965, 0.3248 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, 244, 248)` looks like.

```
.text, #text, p{  
    color:rgb(222, 244, 248)  
}
```

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, 244, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 244, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 87.0083, 0.2965, 0.3248 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, 244, 248) }
```

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

```
.border{ border-color:rgb(222, 244, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 244, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 244, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 244, 248);  
box-shadow:4px 4px 4px 4px rgb(222, 244,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.0083, 0.2965, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 244, 248) }
```

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

```
.background{ background-color: rgb(222,  
244, 248) }
```

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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