

# Converting Colors

Yxy(83.3982, 0.2946, 0.3168)

Have a look what the booklet for  
Yxy(83.3982, 0.2946, 0.3168)  
contains.

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# Color

**Yxy(83.4234, 0.2947, 0.3166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDEEFA
RGB	221, 238, 250
RGB Percent	87%, 93%, 98%
CMY	0.1332, 0.0667, 0.0197
CMYK	0.12, 0.05, 0.00, 0.02
HSL	205°, 74%, 92%
HSV	205°, 12%, 98%
XYZ	77.6528, 83.4234, 102.4216
YIQ	234.2850, -13.9840, 0.1280

# Conversions

## Conversions Part 2

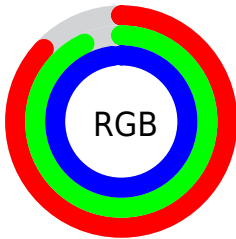
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 232, 250
Decimal	14544634
CIE Lab	93.20, -3.27, -7.69
CIE LCh	93, 8.352, 246.989
Yxy	83.4234, 0.2947, 0.3166
Android (android.graphics.Color)	4292734714 (0xFFDDEEFA)
YUV	234.2850, 7.7475, -11.6509
Hunter-Lab	91.3364, -8.0808, -2.5503

# Details

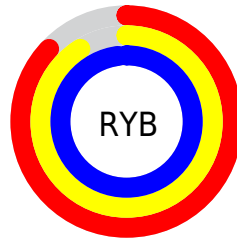
The Yxy color **83.4234, 0.2947, 0.3166** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.8217, 0.3321, 0.3411**, and the grayscale version is **82.4600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4579, 0.2905, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **73.9403, 0.2788, 0.3046**, and if you desaturate by 10%, it is **93.8435, 0.3103, 0.3274**.

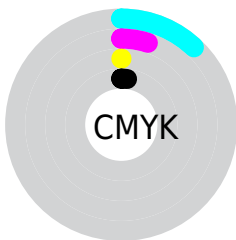
# Distribution



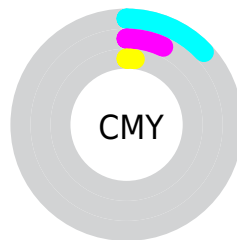
- Red (87%)
- Green (93%)
- Blue (98%)



- Red (87%)
- Yellow (91%)
- Blue (98%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (7%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4234, 0.2947, 0.3166 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 83.4234, 0.2947, 0.3166 by changing the saturation by 10% instead.



83.4234, 0.2947,  
0.3166

83.4234, 0.2947,  
0.3166

506.3965, 0.3028,  
0.3222

62.5395, 0.2929,  
0.3153

138.1683, 0.2975,  
0.3185

45.4688, 0.2907,  
0.3138

172.7981, 0.2986,  
0.3193

31.8268, 0.2880,  
0.3118

212.7787, 0.2995,  
0.3200

21.2293, 0.2845,  
0.3093

258.4944, 0.3003,  
0.3205

13.2917, 0.2798,  
0.3060

310.3296, 0.3011,  
0.3210

7.6297, 0.2733,  
0.3012

368.6688, 0.3017,

3.8589, 0.2636,

0.3215

0.2941

433.8963, 0.3023,  
0.3219

■ 1.5950, 0.2477,  
0.2820

■ 0.3542, 0.1675,  
0.2309

■ 83.4234, 0.2947,  
0.3166

■ 83.4234, 0.2947,  
0.3166

■ 73.9403, 0.2788,  
0.3046

■ 93.8435, 0.3103,  
0.3274

■ 65.3524, 0.2629,  
0.2915

■ 99.6799, 0.3156,  
0.3338

■ 57.6295, 0.2474,  
0.2772

■ 50.7356, 0.2326,  
0.2621

■ 44.6315, 0.2190,  
0.2462

■ 39.2739, 0.2071,  
0.2300

■ 34.6136, 0.1972,  
0.2137

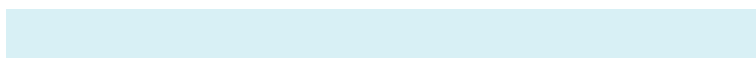
■ 30.5929, 0.1896,  
0.1978

■ 27.6289, 0.1847,  
0.1848

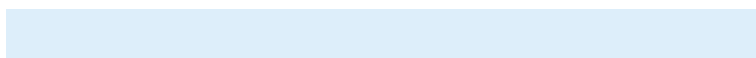
# Harmonies

## Analogous

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



83.4234, 0.2948, 0.3237



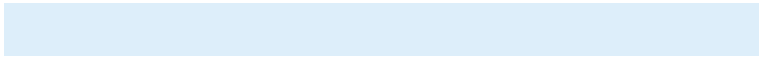
83.4234, 0.2947, 0.3166



83.4234, 0.2993, 0.3129

# Triad

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



83.4234, 0.2947, 0.3166



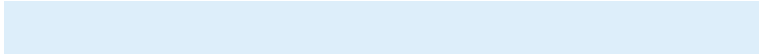
83.4234, 0.3259, 0.3254



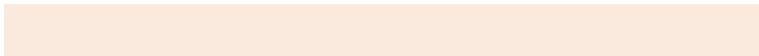
83.4234, 0.3176, 0.3451

# Complementary

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



83.4234, 0.2947, 0.3166



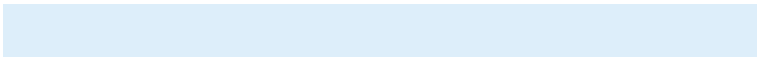
83.8217, 0.3321, 0.3411

# Split Complementary

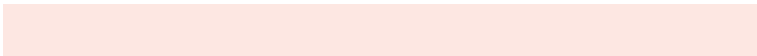
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4234, 0.3261, 0.3454



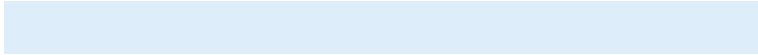
83.4234, 0.2947, 0.3166



83.4234, 0.3310, 0.3338

# Square

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



83.4234, 0.2947, 0.3166



83.4234, 0.3173, 0.3180



83.4234, 0.3311, 0.3412



83.4234, 0.3079, 0.3404



# Rectangle

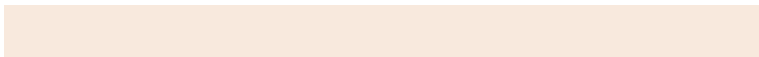
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4234, 0.2947, 0.3166



83.4234, 0.3046, 0.3128



83.4234, 0.3311, 0.3412



83.4234, 0.3207, 0.3457

# Sweetspot

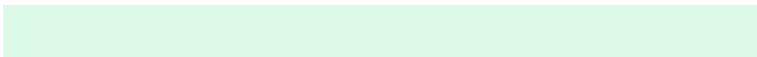
The Sweet Spot groups the original color and five complimentary colors.



83.4269, 0.2947, 0.3166



96.5752, 0.3081, 0.3259



89.5887, 0.3046, 0.3470



20.4784, 0.3069, 0.3251



0.0000, 0.0000, 0.0000

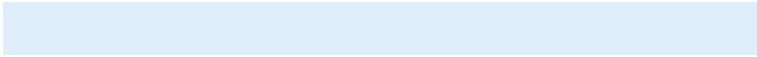


21.4041, 0.3127, 0.3290

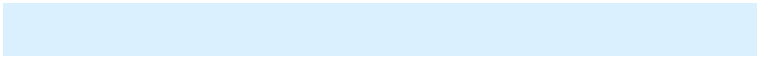


# Same Dimension

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



83.4269, 0.2947, 0.3166



84.7828, 0.2908, 0.3138



75.5540, 0.2944, 0.3018



18.3343, 0.2980, 0.3189



14.9504, 0.1854, 0.1873



1.5937, 0.1905, 0.2059



# Inverse Universe

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



78.2250, 0.3220, 0.3121



78.3847, 0.3242, 0.3084



92.1058, 0.3304, 0.3549



17.3960, 0.3202, 0.3152



11.9202, 0.4599, 0.2307

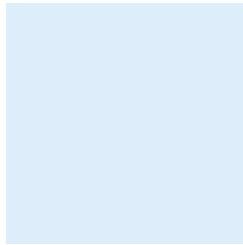


1.1251, 0.4387, 0.2190



# Previews

## White Background



This preview shows how the Yxy color 83.4234, 0.2947, 0.3166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

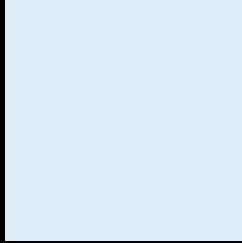
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.4234, 0.2947, 0.3166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

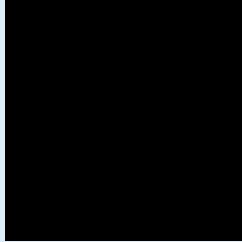
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

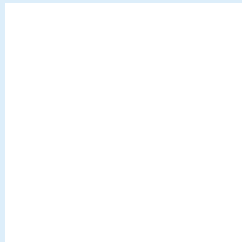
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.4234, 0.2947, 0.3166**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.4234, 0.2947, 0.3166.



This preview shows how white text looks on a background with the Yxy color 83.4234, 0.2947, 0.3166.

# 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

83.4234, 0.2947, 0.3166

### Protanopia

83.3939, 0.3060, 0.3158

### Deuteranopia

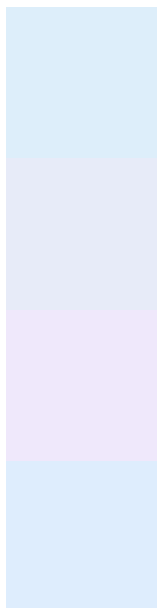
82.8391, 0.3125, 0.3055



## Tritanopia

83.4763, 0.2930, 0.3105

# Trichromacy



## Original Color

83.4234, 0.2947, 0.3166

## Protanomaly

83.1829, 0.3022, 0.3157

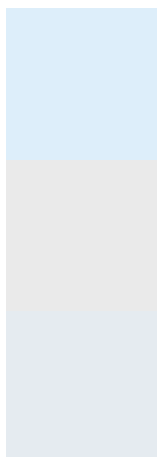
## Deuteranomaly

83.0290, 0.3056, 0.3100

## Tritanomaly

83.1898, 0.2935, 0.3125

# Monochromacy



## Original Color

83.4234, 0.2947, 0.3166

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.3659, 0.3057, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.4234, 0.2947, 0.3166 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, 238, 250)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 250)  
}
```

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, 238, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 83.4234, 0.2947, 0.3166 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, 238, 250) }
```

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

```
.border{ border-color:rgb(221, 238, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 250);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.4234, 0.2947, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 250) }
```

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

```
.background{ background-color: rgb(221,  
238, 250) }
```

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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