

# Converting Colors

$Yxy(82.2595, 0.2931, 0.3253)$

Have a look what the booklet for  
Yxy(82.2595, 0.2931, 0.3253)  
contains.

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# Color

**Yxy(82.2011, 0.2931, 0.3247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4EFF3
RGB	212, 239, 243
RGB Percent	83%, 94%, 95%
CMY	0.1685, 0.0628, 0.0470
CMYK	0.13, 0.02, 0.00, 0.05
HSL	188°, 56%, 89%
HSV	188°, 13%, 95%
XYZ	74.2012, 82.2011, 96.7578
YIQ	231.3830, -17.3760, -4.4800

# Conversions

## Conversions Part 2

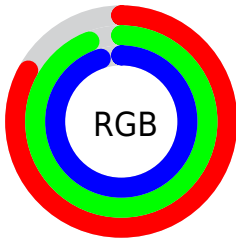
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 226, 243
Decimal	13955059
CIE Lab	92.66, -7.99, -4.93
CIE LCh	93, 9.385, 211.695
Yxy	82.2011, 0.2931, 0.3247
Android (android.graphics.Color)	4292145139 (0xFFD4EFF3)
YUV	231.3830, 5.7272, -16.9989
Hunter-Lab	90.6648, -12.5768, 0.1909

# Details

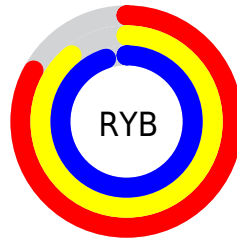
The Yxy color **82.2011, 0.2931, 0.3247** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.9418, 0.3354, 0.3333**, and the grayscale version is **80.1825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6229, 0.2885, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **77.0333, 0.2784, 0.3210**, and if you desaturate by 10%, it is **87.9514, 0.3084, 0.3281**.

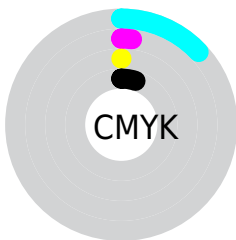
# Distribution



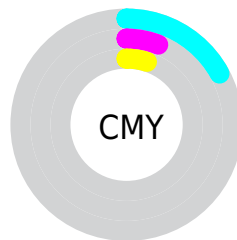
- Red (83%)
- Green (94%)
- Blue (95%)



- Red (83%)
- Yellow (89%)
- Blue (95%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (17%)
- Magenta (6%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2011, 0.2931, 0.3247 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 82.2011, 0.2931, 0.3247 by changing the saturation by 10% instead.



82.2011, 0.2931,  
0.3247

82.2011, 0.2931,  
0.3247

502.3201, 0.3019,  
0.3267

61.5313, 0.2911,  
0.3242

136.4560, 0.2961,  
0.3254

44.6541, 0.2887,  
0.3236

170.8099, 0.2973,  
0.3257

31.1851, 0.2857,  
0.3229

210.4939, 0.2983,  
0.3259

20.7398, 0.2819,  
0.3219

255.8925, 0.2992,  
0.3261

12.9339, 0.2767,  
0.3206

307.3900, 0.3000,  
0.3263

7.3831, 0.2696,  
0.3186

365.3708, 0.3007,

3.7028, 0.2588,

0.3265

0.3156

430.2194, 0.3014,  
0.3266

■ 1.5087, 0.2411,  
0.3100

■ 0.2949, 0.0816,  
0.2819

■ 82.2011, 0.2931,  
0.3247

■ 82.2011, 0.2931,  
0.3247

■ 77.0333, 0.2784,  
0.3210

■ 87.9514, 0.3084,  
0.3281

■ 72.4134, 0.2645,  
0.3170

■ 93.2141, 0.3204,  
0.3312

■ 68.3186, 0.2519,  
0.3128

■ 95.1376, 0.3201,  
0.3343

■ 64.7203, 0.2408,  
0.3084

■ 97.0937, 0.3199,  
0.3373

61.5874, 0.2314,  
0.3038

99.0825, 0.3197,  
0.3403

58.8848, 0.2239,  
0.2992

99.2518, 0.3197,  
0.3405

56.5718, 0.2184,  
0.2946

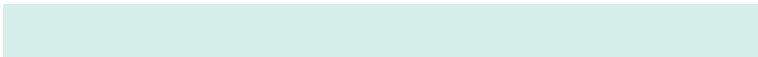
54.5995, 0.2147,  
0.2901

53.3293, 0.2130,  
0.2868

# Harmonies

## Analogous

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



82.2011, 0.2993, 0.3347



82.2011, 0.2931, 0.3247



82.2011, 0.2920, 0.3162

# Triad

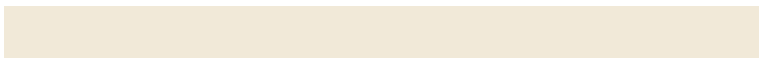
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.2011, 0.2931, 0.3247



82.2011, 0.3160, 0.3155



82.2011, 0.3292, 0.3470

# Complementary

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



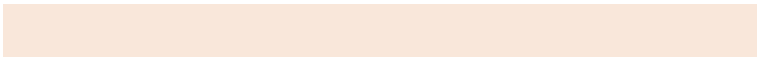
82.2011, 0.2931, 0.3247



72.9418, 0.3354, 0.3333

# Split Complementary

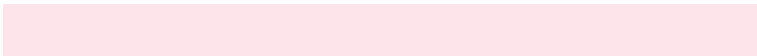
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2011, 0.3339, 0.3414



82.2011, 0.2931, 0.3247



82.2011, 0.3262, 0.3233

# Square

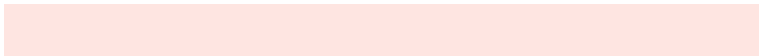
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2011, 0.2931, 0.3247



82.2011, 0.3051, 0.3111



82.2011, 0.3327, 0.3328



82.2011, 0.3201, 0.3477

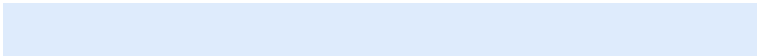


# Rectangle

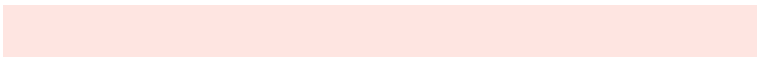
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



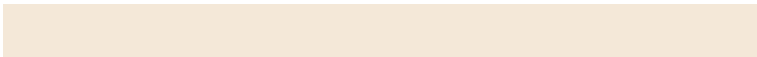
82.2011, 0.2931, 0.3247



82.2011, 0.2943, 0.3124



82.2011, 0.3327, 0.3328



82.2011, 0.3313, 0.3456

# Sweetspot

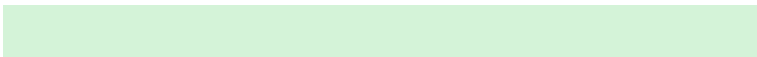
The Sweet Spot groups the original color and five complimentary colors.



82.2045, 0.2931, 0.3247



97.2766, 0.3065, 0.3277



83.0480, 0.3090, 0.3586



20.7141, 0.3053, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

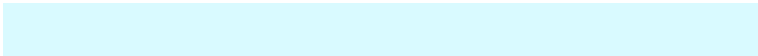


# Same Dimension

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



82.2045, 0.2931, 0.3247



90.3335, 0.2897, 0.3239



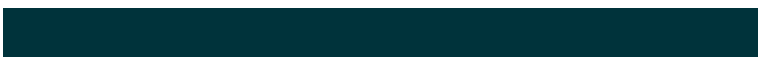
73.7310, 0.2927, 0.3084



18.3701, 0.2981, 0.3259



29.4072, 0.2132, 0.2875



2.6846, 0.2148, 0.2932



# Inverse Universe

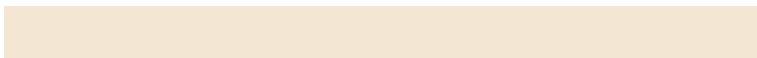
The Inverse Universe completely reimagines the original color for something new.



72.3872, 0.3169, 0.3015



77.6620, 0.3178, 0.2964



81.0377, 0.3334, 0.3488



16.7292, 0.3158, 0.3086



13.0680, 0.3566, 0.1738

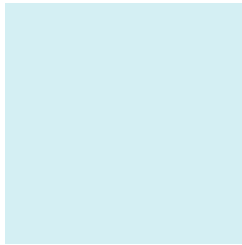


1.1586, 0.3515, 0.1710



# Previews

## White Background



This preview shows how the Yxy color 82.2011, 0.2931, 0.3247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

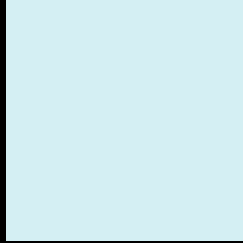
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.2011, 0.2931, 0.3247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

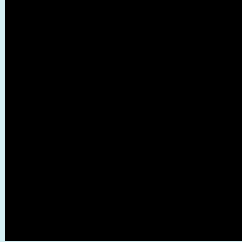
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

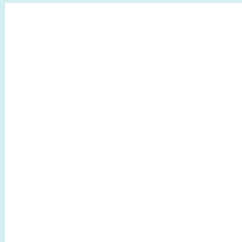
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.2011, 0.2931, 0.3247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.2011, 0.2931, 0.3247.

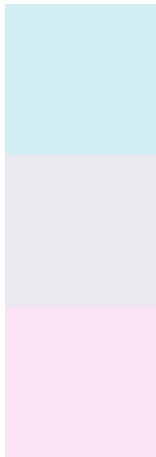


This preview shows how white text looks on a background with the Yxy color 82.2011, 0.2931, 0.3247.

# 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

82.2011, 0.2931, 0.3247

### Protanopia

81.7781, 0.3110, 0.3218

### Deuteranopia

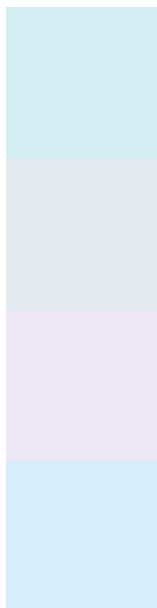
82.1012, 0.3170, 0.3103



## Tritanopia

82.2354, 0.2881, 0.3103

# Trichromacy



## Original Color

82.2011, 0.2931, 0.3247

## Protanomaly

82.0388, 0.3044, 0.3238

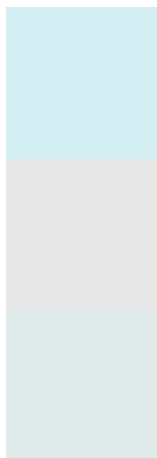
## Deuteranomaly

81.7489, 0.3080, 0.3148

## Tritanomaly

82.4102, 0.2898, 0.3154

# Monochromacy



## Original Color

82.2011, 0.2931, 0.3247

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.6911, 0.3054, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.2011, 0.2931, 0.3247 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(212, 239, 243)` looks like.

```
.text, #text, p{  
    color:rgb(212, 239, 243)  
}
```

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(212, 239, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 239, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 82.2011, 0.2931, 0.3247 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(212, 239, 243) }
```

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

```
.border{ border-color:rgb(212, 239, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 239, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 239, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 239, 243);  
box-shadow:4px 4px 4px 4px rgb(212, 239,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.2011, 0.2931, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 239, 243) }
```

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

```
.background{ background-color: rgb(212,  
239, 243) }
```

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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