

# Converting Colors

$Yxy(82.3608, 0.2928, 0.3195)$

Have a look what the booklet for  
Yxy(82.3608, 0.2928, 0.3195)  
contains.

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# Color

**Yxy(82.3115, 0.2926, 0.3195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7EEF7
RGB	215, 238, 247
RGB Percent	84%, 93%, 97%
CMY	0.1570, 0.0666, 0.0313
CMYK	0.13, 0.04, 0.00, 0.03
HSL	197°, 67%, 91%
HSV	197°, 13%, 97%
XYZ	75.3814, 82.3115, 99.9331
YIQ	232.1490, -16.5970, -2.0770

# Conversions

## Conversions Part 2

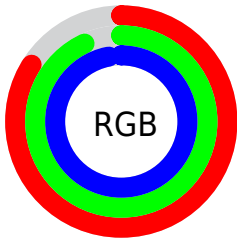
Format	Color
R <sub>Y</sub> B	215, 228, 247
Decimal	14151415
CIE <sub>Lab</sub>	92.71, -5.77, -6.93
CIE <sub>LCh</sub>	93, 9.014, 230.224
Y <sub>xy</sub>	82.3115, 0.2926, 0.3195
Android (android.graphics.Color)	4292341495 (0xFFD7EEF7)
Y <sub>UV</sub>	232.1490, 7.3215, -15.0397
Hunter-Lab	90.7257, -10.4594, -1.7992

# Details

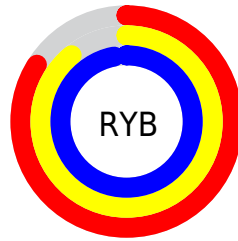
The Yxy color **82.3115, 0.2926, 0.3195** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.9817, 0.3353, 0.3383**, and the grayscale version is **80.7651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6911, 0.2880, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **74.8875, 0.2772, 0.3113**, and if you desaturate by 10%, it is **90.4630, 0.3081, 0.3269**.

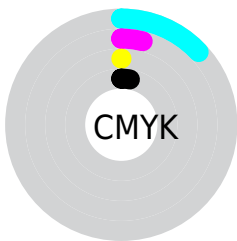
# Distribution



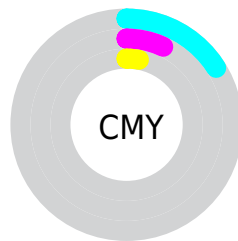
- Red (84%)
- Green (93%)
- Blue (97%)



- Red (84%)
- Yellow (89%)
- Blue (97%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (16%)
- Magenta (7%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3115, 0.2926, 0.3195 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 82.3115, 0.2926, 0.3195 by changing the saturation by 10% instead.



82.3115, 0.2926,  
0.3195

82.3115, 0.2926,  
0.3195

502.6890, 0.3017,  
0.3239

61.6223, 0.2906,  
0.3185

136.6107, 0.2957,  
0.3210

44.7276, 0.2881,  
0.3173

170.9896, 0.2969,  
0.3216

31.2429, 0.2851,  
0.3158

210.7005, 0.2980,  
0.3221

20.7839, 0.2811,  
0.3137

256.1278, 0.2989,  
0.3226

12.9661, 0.2759,  
0.3110

307.6559, 0.2997,  
0.3229

7.4052, 0.2686,  
0.3072

365.6692, 0.3004,

3.7168, 0.2576,

0.3233

0.3012

430.5521, 0.3011,  
0.3236

■ 1.5164, 0.2397,  
0.2910

■ 0.3003, 0.1151,  
0.2390

■ 82.3115, 0.2926,  
0.3195

■ 82.3115, 0.2926,  
0.3195

■ 74.8875, 0.2772,  
0.3113

■ 90.4630, 0.3081,  
0.3269

■ 68.1537, 0.2623,  
0.3025

■ 97.5373, 0.3175,  
0.3337

■ 62.0846, 0.2483,  
0.2930

■ 99.4972, 0.3173,  
0.3366

■ 56.6489, 0.2353,  
0.2829

■ 51.8123, 0.2239,  
0.2725

■ 47.5364, 0.2143,  
0.2618

■ 43.7772, 0.2066,  
0.2510

■ 40.4815, 0.2010,  
0.2404

■ 38.3912, 0.1981,  
0.2331

# Harmonies

## Analogous

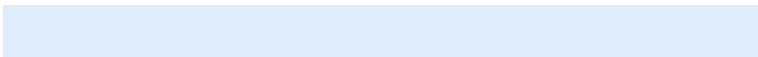
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3115, 0.2956, 0.3285



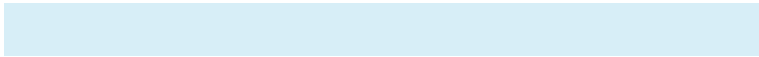
82.3115, 0.2926, 0.3195



82.3115, 0.2948, 0.3133

# Triad

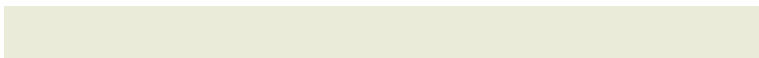
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3115, 0.2926, 0.3195



82.3115, 0.3222, 0.3204



82.3115, 0.3235, 0.3473

# Complementary

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



82.3115, 0.2926, 0.3195



77.9817, 0.3353, 0.3383

# Split Complementary

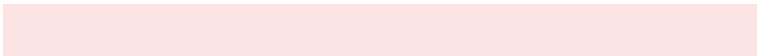
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3115, 0.3309, 0.3447



82.3115, 0.2926, 0.3195



82.3115, 0.3301, 0.3291

# Square

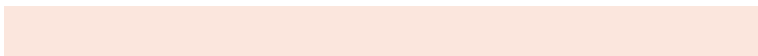
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3115, 0.2926, 0.3195



82.3115, 0.3118, 0.3139



82.3115, 0.3333, 0.3380



82.3115, 0.3134, 0.3448



# Rectangle

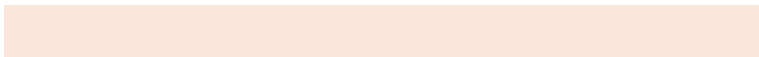
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3115, 0.2926, 0.3195



82.3115, 0.2990, 0.3114



82.3115, 0.3333, 0.3380



82.3115, 0.3264, 0.3470

# Sweetspot

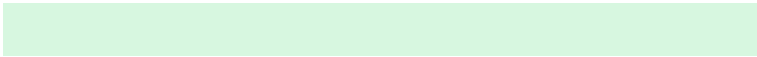
The Sweet Spot groups the original color and five complimentary colors.



82.3149, 0.2926, 0.3195



96.3005, 0.3065, 0.3262



86.3359, 0.3061, 0.3540



20.4664, 0.3053, 0.3257



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

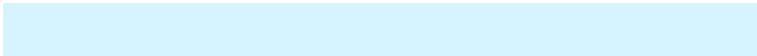


# Same Dimension

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



82.3149, 0.2926, 0.3195



85.9649, 0.2879, 0.3171



73.6358, 0.2922, 0.3028



17.9242, 0.2980, 0.3222



20.5509, 0.1986, 0.2348



1.9795, 0.2022, 0.2480



# Inverse Universe

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



74.5333, 0.3203, 0.3057



75.9575, 0.3223, 0.3001



86.7372, 0.3332, 0.3539



16.6842, 0.3181, 0.3121



12.1740, 0.4076, 0.2019

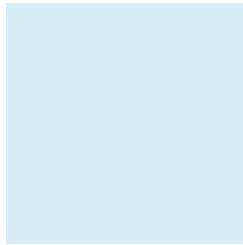


1.0875, 0.3942, 0.1945



# Previews

## White Background



This preview shows how the Yxy color 82.3115, 0.2926, 0.3195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

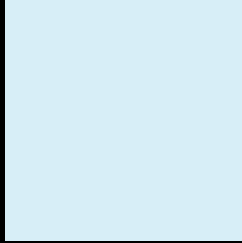
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.3115, 0.2926, 0.3195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

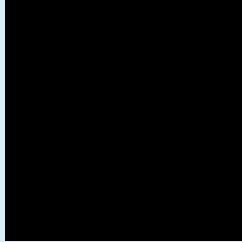
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

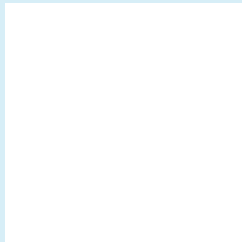
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.3115, 0.2926, 0.3195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.3115, 0.2926, 0.3195.

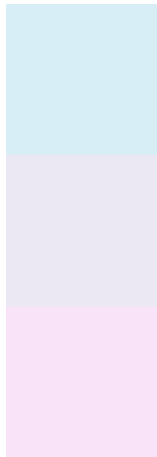


This preview shows how white text looks on a background with the Yxy color 82.3115, 0.2926, 0.3195.

# 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

82.3115, 0.2926, 0.3195

### Protanopia

81.9070, 0.3073, 0.3168

### Deuteranopia

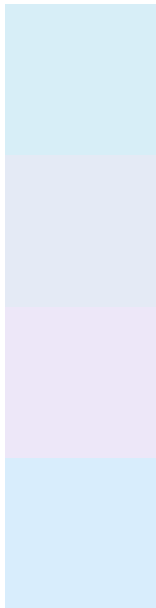
81.9175, 0.3137, 0.3073



## Tritanopia

82.5401, 0.2893, 0.3103

# Trichromacy



**Original Color**

82.3115, 0.2926, 0.3195

**Protanomaly**

81.9322, 0.3020, 0.3177

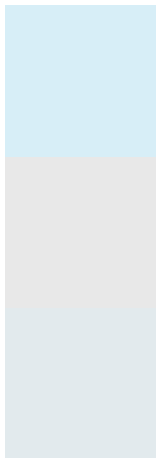
**Deuteranomaly**

81.9337, 0.3062, 0.3118

**Tritanomaly**

82.1956, 0.2904, 0.3133

# Monochromacy



**Original Color**

82.3115, 0.2926, 0.3195

**Achromatopsia**

80.6952, 0.3127, 0.3290

**Achromatomaly**

81.1288, 0.3055, 0.3259

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3115, 0.2926, 0.3195 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(215, 238, 247)` looks like.

```
.text, #text, p{  
    color:rgb(215, 238, 247)  
}
```

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(215, 238, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 238, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3115, 0.2926, 0.3195 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(215, 238, 247) }
```

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

```
.border{ border-color:rgb(215, 238, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 238, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 238, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 238, 247); box-shadow:4px 4px 4px 4px rgb(215, 238, 247) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3115, 0.2926, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 238, 247) }
```

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

```
.background{ background-color: rgb(215,  
238, 247) }
```

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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