

# Converting Colors

$Yxy(82.2054, 0.2884, 0.3101)$

Have a look what the booklet for  
Yxy(82.2054, 0.2884, 0.3101)  
contains.

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# Color

**Yxy(82.3873, 0.2887, 0.3103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8EDFF
RGB	216, 237, 255
RGB Percent	85%, 93%, 100%
CMY	0.1529, 0.0706, 0.0000
CMYK	0.15, 0.07, 0.00, 0.00
HSL	208°, 100%, 92%
HSV	208°, 15%, 100%
XYZ	76.6523, 82.3873, 106.4689
YIQ	232.7730, -18.2940, 1.1460

# Conversions

## Conversions Part 2

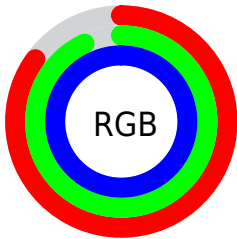
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 230, 255
Decimal	14216703
CIE Lab	92.75, -3.32, -11.02
CIE LCh	93, 11.509, 253.211
Yxy	82.3873, 0.2887, 0.3103
Android (android.graphics.Color)	4292406783 (0xFFD8EDFF)
YUV	232.7730, 10.9579, -14.7099
Hunter-Lab	90.7675, -8.1014, -6.0091

# Details

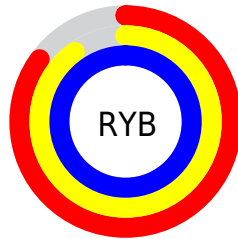
The Yxy color **82.3873, 0.2887, 0.3103** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0600, 0.3388, 0.3470**, and the grayscale version is **81.2343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7020, 0.2837, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **72.2123, 0.2725, 0.2964**, and if you desaturate by 10%, it is **93.6188, 0.3045, 0.3229**.

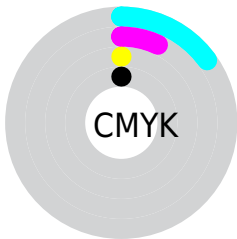
# Distribution



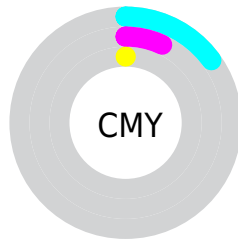
- Red (85%)
- Green (93%)
- Blue (100%)



- Red (85%)
- Yellow (90%)
- Blue (100%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3873, 0.2887, 0.3103 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 82.3873, 0.2887, 0.3103 by changing the saturation by 10% instead.



82.3873, 0.2887,  
0.3103

82.3873, 0.2887,  
0.3103

502.9423, 0.2995,  
0.3188

61.6848, 0.2863,  
0.3084

136.7170, 0.2924,  
0.3132

44.7781, 0.2834,  
0.3061

171.1130, 0.2938,  
0.3144

31.2827, 0.2797,  
0.3031

210.8423, 0.2951,  
0.3154

20.8142, 0.2751,  
0.2994

256.2893, 0.2962,  
0.3162

12.9882, 0.2689,  
0.2943

307.8384, 0.2972,  
0.3170

7.4205, 0.2602,  
0.2872

365.8740, 0.2980,

3.7264, 0.2475,

0.3177

0.2765

430.7805, 0.2988,  
0.3183

■ 1.5217, 0.2267,  
0.2588

■ 0.3039, 0.1283,  
0.1877

■ 82.3873, 0.2887,  
0.3103

■ 82.3873, 0.2887,  
0.3103

■ 72.2123, 0.2725,  
0.2964

■ 93.6188, 0.3045,  
0.3229

■ 63.0473, 0.2563,  
0.2811

100.0000, 0.3127,  
0.3290

■ 54.8572, 0.2404,  
0.2647

■ 47.6004, 0.2254,  
0.2473

■ 41.2315, 0.2117,  
0.2292

■ 35.7001, 0.1998,  
0.2110

■ 30.9487, 0.1901,  
0.1929

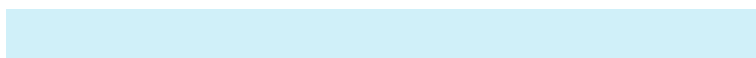
■ 26.9082, 0.1828,  
0.1756

■ 25.2102, 0.1799,  
0.1677

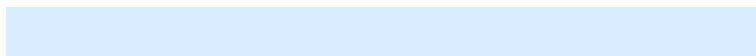
# Harmonies

## Analogous

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



82.3873, 0.2874, 0.3193



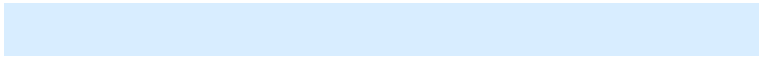
82.3873, 0.2887, 0.3103



82.3873, 0.2963, 0.3065

# Triad

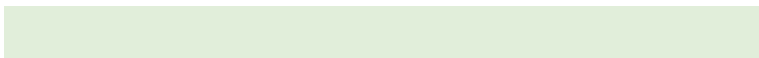
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3873, 0.2887, 0.3103



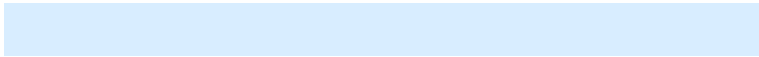
82.3873, 0.3330, 0.3264



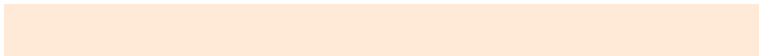
82.3873, 0.3167, 0.3506

# Complementary

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



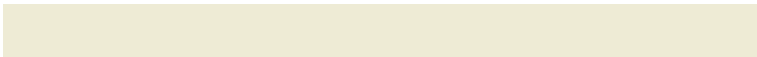
82.3873, 0.2887, 0.3103



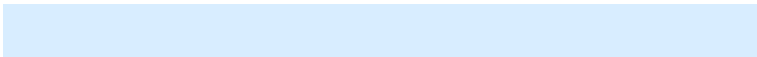
85.0600, 0.3388, 0.3470

# Split Complementary

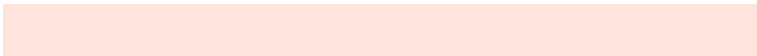
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3873, 0.3291, 0.3522



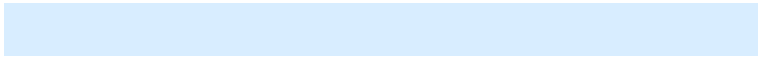
82.3873, 0.2887, 0.3103



82.3873, 0.3387, 0.3379

# Square

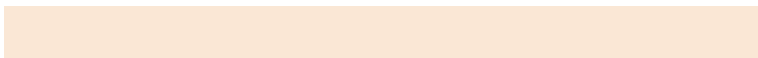
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3873, 0.2887, 0.3103



82.3873, 0.3218, 0.3158



82.3873, 0.3372, 0.3474

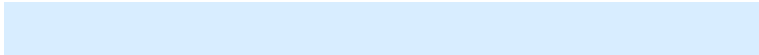


82.3873, 0.3034, 0.3428



# Rectangle

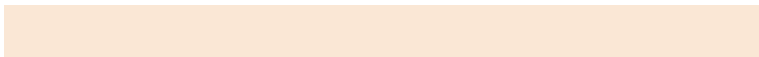
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3873, 0.2887, 0.3103



82.3873, 0.3040, 0.3072



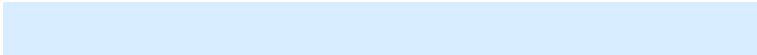
82.3873, 0.3372, 0.3474



82.3873, 0.3211, 0.3518

# Sweetspot

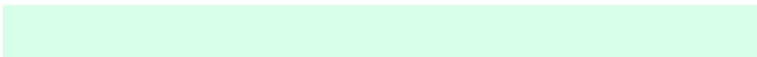
The Sweet Spot groups the original color and five complimentary colors.



82.3907, 0.2887, 0.3103



93.9655, 0.3050, 0.3232



92.0336, 0.3010, 0.3513



19.9356, 0.3039, 0.3224



0.0000, 0.0000, 0.0000

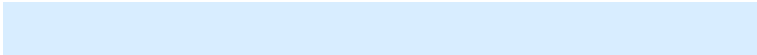


21.4041, 0.3127, 0.3290

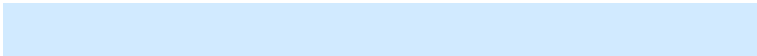


# Same Dimension

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



82.3907, 0.2887, 0.3103



79.5345, 0.2843, 0.3067



71.9356, 0.2879, 0.2900



18.9986, 0.2979, 0.3178



13.4752, 0.1807, 0.1705



1.5307, 0.1861, 0.1899



# Inverse Universe

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



76.4864, 0.3267, 0.3082



72.8403, 0.3296, 0.3043



96.5000, 0.3360, 0.3653



18.1507, 0.3209, 0.3163



12.0883, 0.4801, 0.2418

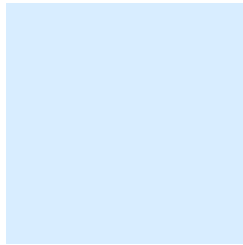


1.1991, 0.4569, 0.2290



# Previews

## White Background



This preview shows how the Yxy color 82.3873, 0.2887, 0.3103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

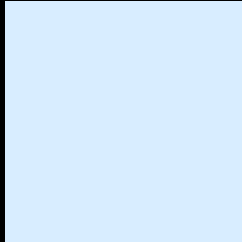
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.3873, 0.2887, 0.3103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

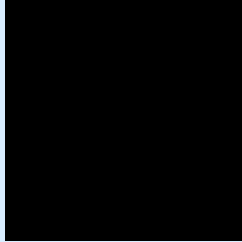
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

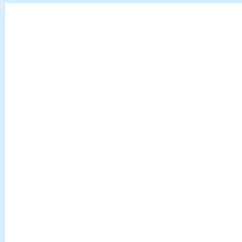
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.3873, 0.2887, 0.3103**

## Background



This preview shows how black text looks on a background with the Yxy color 82.3873, 0.2887, 0.3103.



This preview shows how white text looks on a background with the Yxy color 82.3873, 0.2887, 0.3103.

# 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

82.3873, 0.2887, 0.3103

### Protanopia

82.0651, 0.3011, 0.3087

### Deuteranopia

82.1193, 0.3072, 0.3023



## Tritanopia

82.5401, 0.2893, 0.3103

# Trichromacy



## Original Color

82.3873, 0.2887, 0.3103

## Protanomaly

82.2684, 0.2966, 0.3096

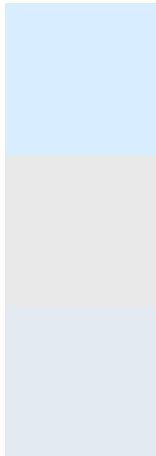
## Deuteranomaly

81.8643, 0.2999, 0.3048

## Tritanomaly

82.5401, 0.2893, 0.3103

# Monochromacy



## Original Color

82.3873, 0.2887, 0.3103

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.5274, 0.3038, 0.3217

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3873, 0.2887, 0.3103 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(216, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 237, 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(216, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 237, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3873, 0.2887, 0.3103 is called "border". The border property can be set on classes, ids or directly on the HTML element.

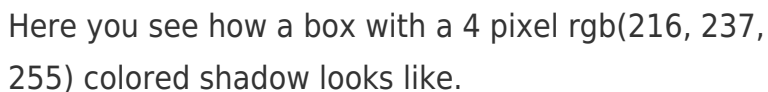
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 237, 255) }
```

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

```
.border{ border-color:rgb(216, 237, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 237, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 237, 255); box-shadow:4px 4px 4px 4px rgb(216, 237, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3873, 0.2887, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 237, 255) }
```

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

```
.background{ background-color: rgb(216,  
237, 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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