

# Converting Colors

Yxy(81.7685, 0.2890, 0.3090)

Have a look what the booklet for  
Yxy(81.7685, 0.2890, 0.3090)  
contains.

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# Color

**Yxy(81.9626, 0.2893, 0.3093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9ECFF
RGB	217, 236, 255
RGB Percent	85%, 93%, 100%
CMY	0.1489, 0.0745, 0.0001
CMYK	0.15, 0.07, 0.00, 0.00
HSL	210°, 100%, 93%
HSV	210°, 15%, 100%
XYZ	76.6627, 81.9626, 106.3685
YIQ	232.4850, -17.4230, 1.8810

# Conversions

## Conversions Part 2

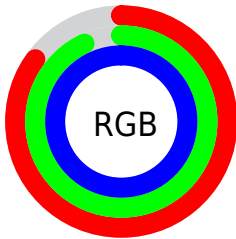
Format	Color
R <sub>Y</sub> B	217, 230, 255
Decimal	14281983
CIE Lab	92.56, -2.50, -11.28
CIE LCh	93, 11.552, 257.519
Yxy	81.9626, 0.2893, 0.3093
Android (android.graphics.Color)	4292472063 (0xFFD9ECFF)
YUV	232.4850, 11.0999, -13.5803
Hunter-Lab	90.5332, -7.2809, -6.2873

# Details

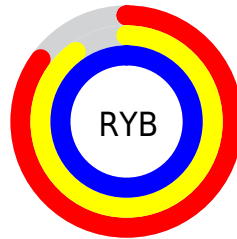
The Yxy color **81.9626, 0.2893, 0.3093** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2591, 0.3378, 0.3479**, and the grayscale version is **81.0074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4011, 0.2844, 0.3049** is the 20% darker color. If you saturate the color by 10%, you get **71.2739, 0.2729, 0.2942**, and if you desaturate by 10%, it is **93.7859, 0.3052, 0.3229**.

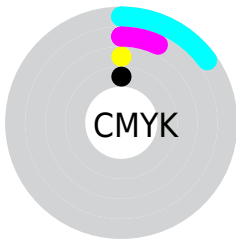
# Distribution



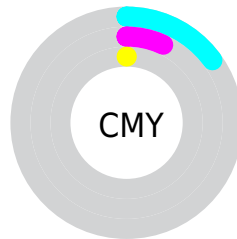
- Red (85%)
- Green (93%)
- Blue (100%)



- 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 81.9626, 0.2893, 0.3093 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 81.9626, 0.2893, 0.3093 by changing the saturation by 10% instead.



81.9626, 0.2893,  
0.3093

81.9626, 0.2893,  
0.3093

501.5226, 0.2998,  
0.3182

61.3347, 0.2870,  
0.3073

136.1216, 0.2929,  
0.3124

44.4953, 0.2841,  
0.3048

170.4214, 0.2943,  
0.3136

31.0601, 0.2805,  
0.3018

210.0474, 0.2955,  
0.3146

20.6446, 0.2760,  
0.2978

255.3838, 0.2966,  
0.3155

12.8645, 0.2699,  
0.2925

306.8152, 0.2976,  
0.3163

7.3353, 0.2614,  
0.2851

364.7258, 0.2984,

3.6727, 0.2488,

0.3170

0.2739

429.5002, 0.2992,  
0.3177

■ 1.4922, 0.2283,  
0.2554

■ 0.2832, 0.1306,  
0.1776

■ 81.9626, 0.2893,  
0.3093

■ 81.9626, 0.2893,  
0.3093

■ 71.2739, 0.2729,  
0.2942

■ 93.7859, 0.3052,  
0.3229

■ 61.6710, 0.2564,  
0.2777

99.9986, 0.3127,  
0.3290

■ 53.1163, 0.2401,  
0.2598

■ 45.5659, 0.2245,  
0.2409

■ 38.9717, 0.2102,  
0.2212

■ 33.2809, 0.1976,  
0.2014

■ 28.4333, 0.1873,  
0.1820

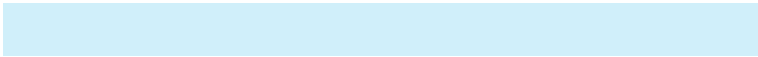
■ 24.3572, 0.1795,  
0.1635

■ 22.5238, 0.1763,  
0.1545

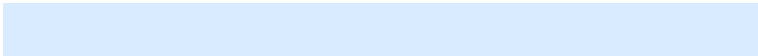
# Harmonies

## Analogous

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



81.9626, 0.2871, 0.3177



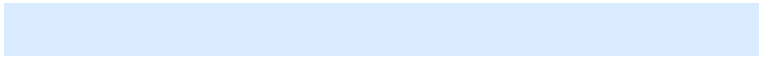
81.9626, 0.2893, 0.3093



81.9626, 0.2977, 0.3063

# Triad

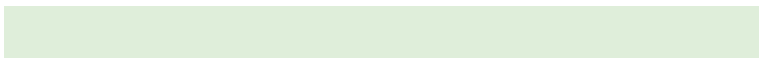
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9626, 0.2893, 0.3093



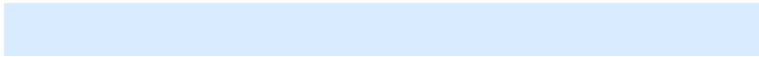
81.9626, 0.3343, 0.3280



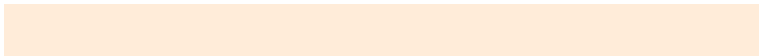
81.9626, 0.3148, 0.3499

# Complementary

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



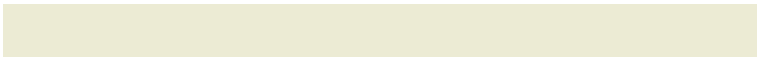
81.9626, 0.2893, 0.3093



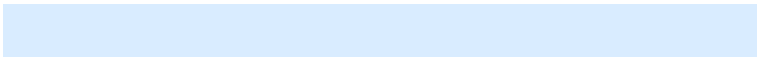
86.2591, 0.3378, 0.3479

# Split Complementary

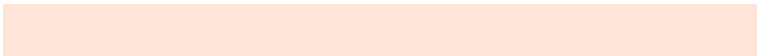
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9626, 0.3276, 0.3525



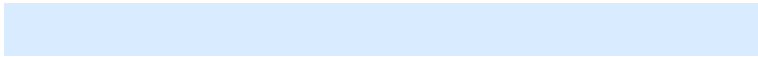
81.9626, 0.2893, 0.3093



81.9626, 0.3391, 0.3395

# Square

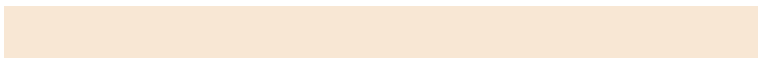
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9626, 0.2893, 0.3093



81.9626, 0.3237, 0.3171



81.9626, 0.3366, 0.3485

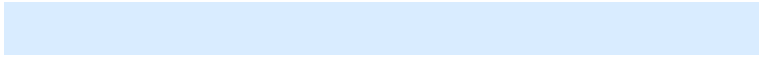


81.9626, 0.3016, 0.3414



# Rectangle

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



81.9626, 0.2893, 0.3093



81.9626, 0.3058, 0.3076



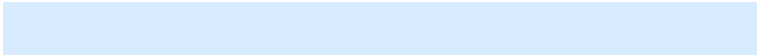
81.9626, 0.3366, 0.3485



81.9626, 0.3193, 0.3515

# Sweetspot

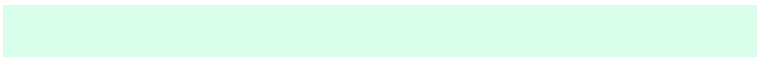
The Sweet Spot groups the original color and five complimentary colors.



81.9660, 0.2893, 0.3093



94.9056, 0.3066, 0.3240



92.3183, 0.3003, 0.3486



20.1131, 0.3054, 0.3231



0.0000, 0.0000, 0.0000

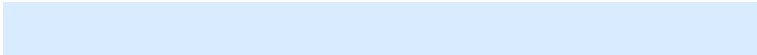


21.4041, 0.3127, 0.3290

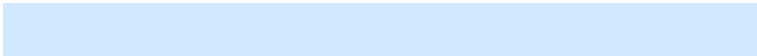


# Same Dimension

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



81.9660, 0.2893, 0.3093



78.5311, 0.2842, 0.3048



71.6126, 0.2886, 0.2891



18.8784, 0.2979, 0.3168



12.0699, 0.1771, 0.1574



1.3936, 0.1828, 0.1779



# Inverse Universe

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



76.9507, 0.3273, 0.3102



72.7390, 0.3309, 0.3061



97.7737, 0.3351, 0.3661



18.1386, 0.3215, 0.3172



11.9464, 0.4964, 0.2508

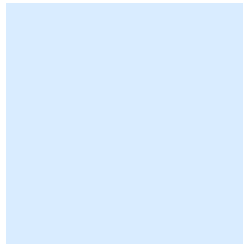


1.1852, 0.4710, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 81.9626, 0.2893, 0.3093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

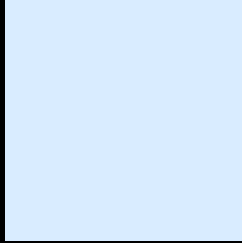
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.9626, 0.2893, 0.3093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

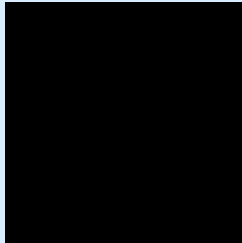
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

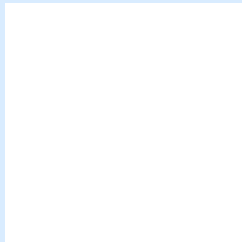
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.9626, 0.2893, 0.3093**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.9626, 0.2893, 0.3093.



This preview shows how white text looks on a background with the Yxy color 81.9626, 0.2893, 0.3093.

# 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

81.9626, 0.2893, 0.3093

### Protanopia

81.8973, 0.3004, 0.3087

### Deuteranopia

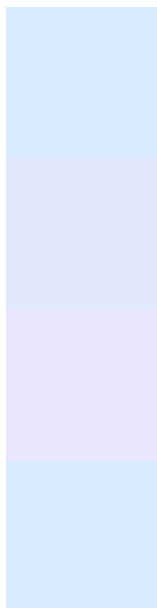
81.3913, 0.3066, 0.3013



## Tritanopia

81.9626, 0.2893, 0.3093

# Trichromacy



## Original Color

81.9626, 0.2893, 0.3093

## Protanomaly

81.7006, 0.2966, 0.3085

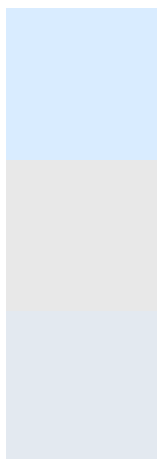
## Deuteranomaly

81.3061, 0.2999, 0.3038

## Tritanomaly

81.9626, 0.2893, 0.3093

# Monochromacy



## Original Color

81.9626, 0.2893, 0.3093

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.9000, 0.3044, 0.3217

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.9626, 0.2893, 0.3093 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(217, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 236, 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(217, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.9626, 0.2893, 0.3093 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(217, 236, 255) }
```

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

```
.border{ border-color:rgb(217, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 236,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.9626, 0.2893, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 236, 255) }
```

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

```
.background{ background-color: rgb(217,  
236, 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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