

# Converting Colors

$Yxy(81.7093, 0.2866, 0.3121)$

Have a look what the booklet for  
Yxy(81.7093, 0.2866, 0.3121)  
contains.

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# Color

**Yxy(81.5091, 0.2868, 0.3122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3EDFD
RGB	211, 237, 253
RGB Percent	83%, 93%, 99%
CMY	0.1725, 0.0706, 0.0079
CMYK	0.17, 0.06, 0.00, 0.01
HSL	203°, 91%, 91%
HSV	203°, 17%, 99%
XYZ	74.8777, 81.5091, 104.6930
YIQ	231.0500, -20.6320, -0.5360

# Conversions

## Conversions Part 2

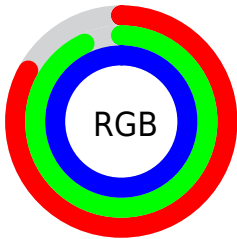
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">211, 227, 253</a>
Decimal	<a href="#">13889021</a>
CIELab	<a href="#">92.36, -5.27, -10.58</a>
CIElCh	<a href="#">92, 11.819, 243.504</a>
Yxy	<a href="#">81.5091, 0.2868, 0.3122</a>
Android (android.graphics.Color)	<a href="#">4292079101 (0xFFD3EDFD)</a>
YUV	<a href="#">231.0500, 10.8213, -17.5839</a>
Hunter-Lab	<a href="#">90.2824, -9.9513, -5.5560</a>

# Details

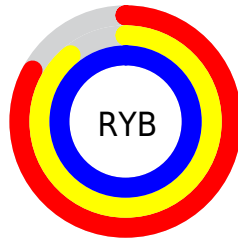
The Yxy color **81.5091, 0.2868, 0.3122** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.5143, 0.3418, 0.3452**, and the grayscale version is **79.8829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1012, 0.2813, 0.3086** is the 20% darker color. If you saturate the color by 10%, you get **72.6376, 0.2710, 0.3007**, and if you desaturate by 10%, it is **91.2748, 0.3025, 0.3227**.

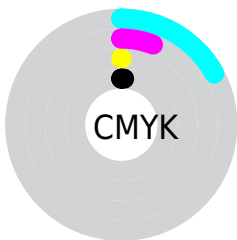
# Distribution



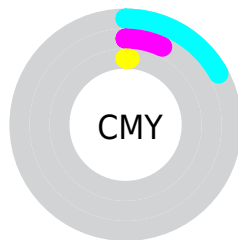
- Red (83%)
- Green (93%)
- Blue (99%)



- Red (83%)
- Yellow (89%)
- Blue (99%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (17%)
- Magenta (7%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5091, 0.2868, 0.3122 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 81.5091, 0.2868, 0.3122 by changing the saturation by 10% instead.



81.5091, 0.2868,  
0.3122

81.5091, 0.2868,  
0.3122

500.0042, 0.2985,  
0.3199

60.9610, 0.2842,  
0.3105

135.4854, 0.2908,  
0.3149

44.1937, 0.2811,  
0.3083

169.6823, 0.2923,  
0.3159

30.8228, 0.2771,  
0.3056

209.1977, 0.2937,  
0.3168

20.4640, 0.2721,  
0.3022

254.4158, 0.2949,  
0.3176

12.7327, 0.2653,  
0.2975

305.7211, 0.2959,  
0.3183

7.2448, 0.2560,  
0.2909

363.4980, 0.2969,

3.6156, 0.2421,

0.3189

0.2808

428.1309, 0.2977,  
0.3194

■ 1.4610, 0.2196,  
0.2637

■ 0.2610, 0.0849,  
0.1857

■ 81.5091, 0.2868,  
0.3122

■ 81.5091, 0.2868,  
0.3122

■ 72.6376, 0.2710,  
0.3007

■ 91.2748, 0.3025,  
0.3227

■ 64.6180, 0.2555,  
0.2881

99.8703, 0.3139,  
0.3309

■ 57.4195, 0.2407,  
0.2746

■ 51.0047, 0.2269,  
0.2604

■ 45.3328, 0.2146,  
0.2457

■ 40.3581, 0.2042,  
0.2308

■ 36.0277, 0.1959,  
0.2159

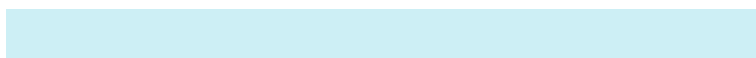
■ 32.2762, 0.1897,  
0.2015

■ 31.0958, 0.1880,  
0.1966

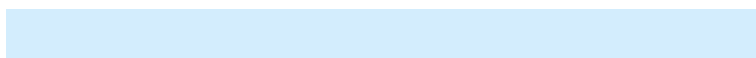
# Harmonies

## Analogous

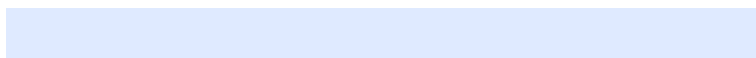
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5091, 0.2877, 0.3227



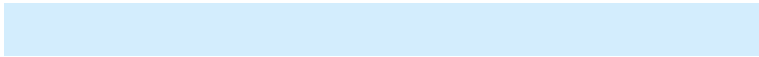
81.5091, 0.2868, 0.3122



81.5091, 0.2926, 0.3064

# Triad

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



81.5091, 0.2868, 0.3122



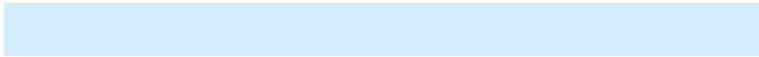
81.5091, 0.3304, 0.3225



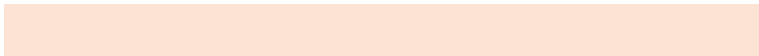
81.5091, 0.3212, 0.3525

# Complementary

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



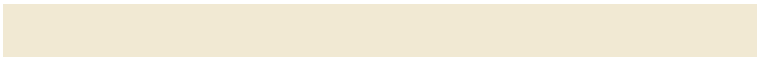
81.5091, 0.2868, 0.3122



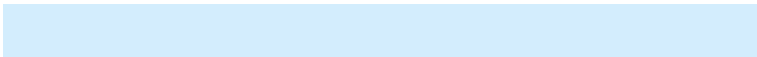
80.5143, 0.3418, 0.3452

# Split Complementary

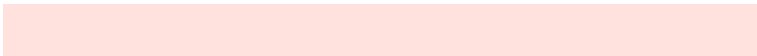
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5091, 0.3330, 0.3519



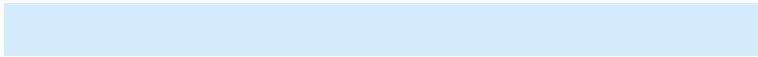
81.5091, 0.2868, 0.3122



81.5091, 0.3384, 0.3344

# Square

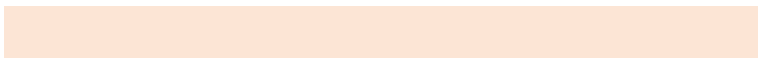
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5091, 0.2868, 0.3122



81.5091, 0.3176, 0.3125



81.5091, 0.3393, 0.3452

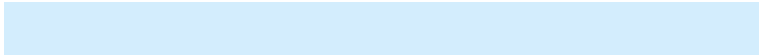


81.5091, 0.3074, 0.3464



# Rectangle

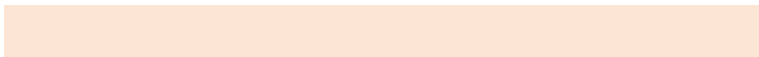
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5091, 0.2868, 0.3122



81.5091, 0.2996, 0.3059



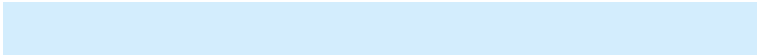
81.5091, 0.3393, 0.3452



81.5091, 0.3255, 0.3531

# Sweetspot

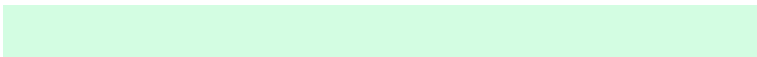
The Sweet Spot groups the original color and five complimentary colors.



81.5125, 0.2868, 0.3122



94.6039, 0.3050, 0.3242



89.5996, 0.3020, 0.3571



20.0909, 0.3039, 0.3236



0.0000, 0.0000, 0.0000

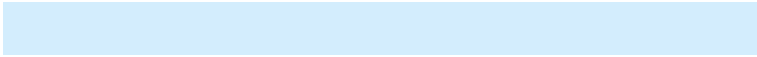


21.4041, 0.3127, 0.3290

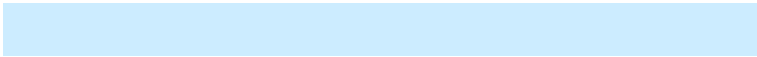


# Same Dimension

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



81.5125, 0.2868, 0.3122



79.8105, 0.2814, 0.3084



70.3677, 0.2858, 0.2902



19.2517, 0.2979, 0.3197



16.8357, 0.1886, 0.1989



1.8503, 0.1932, 0.2153



# Inverse Universe

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



73.5900, 0.3257, 0.3030



70.4779, 0.3288, 0.2975



92.3369, 0.3386, 0.3651



18.1763, 0.3197, 0.3144



12.4275, 0.4465, 0.2233

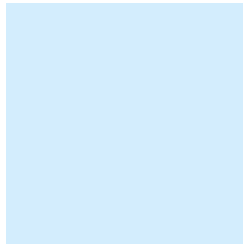


1.2313, 0.4283, 0.2133



# Previews

## White Background



This preview shows how the Yxy color 81.5091, 0.2868, 0.3122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

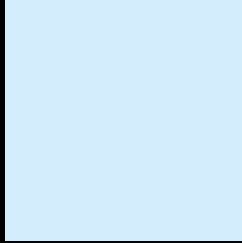
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.5091, 0.2868, 0.3122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

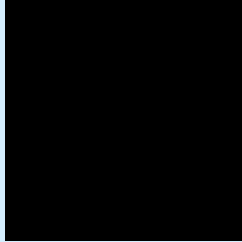
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

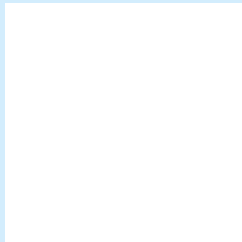
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.5091, 0.2868, 0.3122**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.5091, 0.2868, 0.3122.



This preview shows how white text looks on a background with the Yxy color 81.5091, 0.2868, 0.3122.

# 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

81.5091, 0.2868, 0.3122

### Protanopia

81.1472, 0.3022, 0.3106

### Deuteranopia

81.0252, 0.3073, 0.3003



## Tritanopia

81.7854, 0.2863, 0.3102

# Trichromacy



**Original Color**

81.5091, 0.2868, 0.3122

**Protanomaly**

81.0272, 0.2965, 0.3114

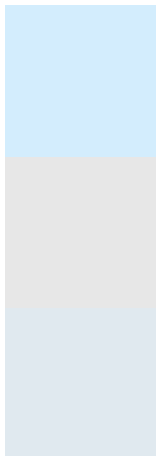
**Deuteranomaly**

81.0730, 0.2999, 0.3047

**Tritanomaly**

81.7212, 0.2868, 0.3112

# Monochromacy



**Original Color**

81.5091, 0.2868, 0.3122

**Achromatopsia**

79.9103, 0.3127, 0.3290

**Achromatomaly**

80.3571, 0.3030, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.5091, 0.2868, 0.3122 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(211, 237, 253)` looks like.

```
.text, #text, p{  
    color:rgb(211, 237, 253)  
}
```

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(211, 237, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 237, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 81.5091, 0.2868, 0.3122 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(211, 237, 253) }
```

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

```
.border{ border-color:rgb(211, 237, 253) }
```

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

Here you see how a box with a 4 pixel rgb(211, 237, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 237, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 237, 253);  
box-shadow:4px 4px 4px 4px rgb(211, 237,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.5091, 0.2868, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 237, 253) }
```

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

```
.background{ background-color: rgb(211,  
237, 253) }
```

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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