

Converting Colors

Yxy(81.4050, 0.2896, 0.3163)

Have a look what the booklet for
Yxy(81.4050, 0.2896, 0.3163)
contains.

Yxy(81.4050, 0.2896, 0.3163)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.4050, 0.2896, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	D4EDF9
RGB	212, 237, 249
RGB Percent	83%, 93%, 98%
CMY	0.1687, 0.0706, 0.0234
CMYK	0.15, 0.05, 0.00, 0.02
HSL	199°, 76%, 90%
HSV	199°, 15%, 98%
XYZ	74.5333, 81.4050, 101.4281
YIQ	230.8930, -18.7520, -1.5680

Conversions

Conversions Part 2

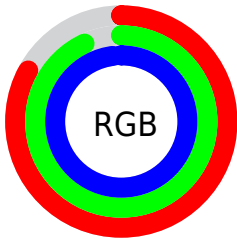
Format	Color
R _Y B	212, 227, 249
Decimal	13954553
CIE Lab	92.31, -5.78, -8.58
CIE LCh	92, 10.349, 236.030
Yxy	81.4050, 0.2896, 0.3163
Android (android.graphics.Color)	4292144633 (0xFFD4EDF9)
YUV	230.8930, 8.9268, -16.5692
Hunter-Lab	90.2247, -10.4370, -3.4949

Details

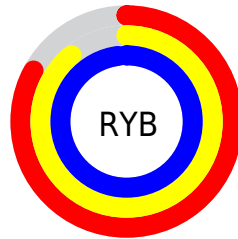
The Yxy color **81.4050, 0.2896, 0.3163** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.2096, 0.3388, 0.3414**, and the grayscale version is **79.7711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0661, 0.2841, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **73.4146, 0.2741, 0.3067**, and if you desaturate by 10%, it is **90.1838, 0.3052, 0.3251**.

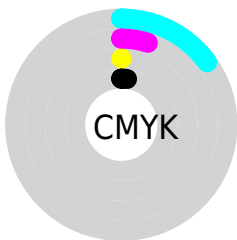
Distribution



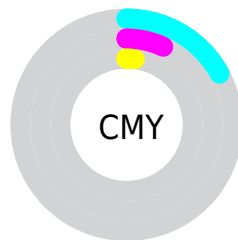
- Red (83%)
- Green (93%)
- Blue (98%)



- Red (83%)
- Yellow (89%)
- Blue (98%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (17%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4050, 0.2896, 0.3163 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 81.4050, 0.2896, 0.3163 by changing the saturation by 10% instead.

81.4050, 0.2896,
0.3163

81.4050, 0.2896,
0.3163

499.6553, 0.3000,
0.3221

60.8752, 0.2873,
0.3150

135.3393, 0.2932,
0.3183

44.1245, 0.2845,
0.3133

169.5126, 0.2946,
0.3191

30.7684, 0.2809,
0.3113

209.0025, 0.2958,
0.3198

20.4225, 0.2764,
0.3086

254.1934, 0.2968,
0.3204

12.7026, 0.2704,
0.3050

305.4698, 0.2978,
0.3209

7.2240, 0.2619,
0.2999

363.2159, 0.2986,

3.6026, 0.2494,

0.3214

0.2920

427.8163, 0.2993,
0.3218

1.4539, 0.2288,
0.2784

0.2559, 0.0825,
0.2069

81.4050, 0.2896,
0.3163

81.4050, 0.2896,
0.3163

73.4146, 0.2741,
0.3067

90.1838, 0.3052,
0.3251

66.1735, 0.2590,
0.2962

98.4577, 0.3163,
0.3330

59.6544, 0.2446,
0.2850

99.6213, 0.3162,
0.3347

53.8236, 0.2314,
0.2732

■ 48.6446, 0.2196,
0.2609

■ 44.0760, 0.2097,
0.2483

■ 40.0704, 0.2018,
0.2358

■ 36.5701, 0.1961,
0.2234

■ 34.9305, 0.1937,
0.2172

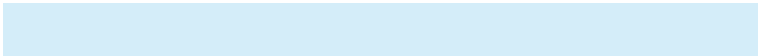
Harmonies

Analogous

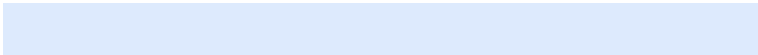
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4050, 0.2919, 0.3263



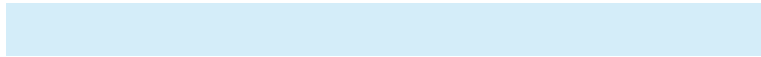
81.4050, 0.2896, 0.3163



81.4050, 0.2933, 0.3100

Triad

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



81.4050, 0.2896, 0.3163



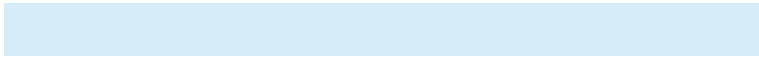
81.4050, 0.3257, 0.3209



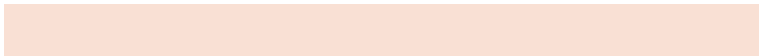
81.4050, 0.3231, 0.3500

Complementary

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



81.4050, 0.2896, 0.3163



78.2096, 0.3388, 0.3414

Split Complementary

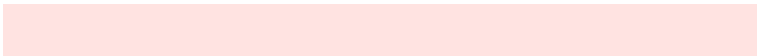
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4050, 0.3324, 0.3481



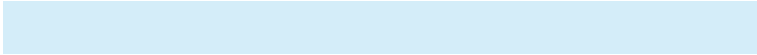
81.4050, 0.2896, 0.3163



81.4050, 0.3339, 0.3312

Square

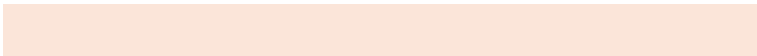
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4050, 0.2896, 0.3163



81.4050, 0.3140, 0.3128



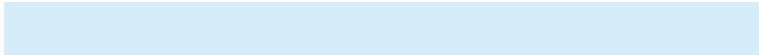
81.4050, 0.3364, 0.3411



81.4050, 0.3111, 0.3460

Rectangle

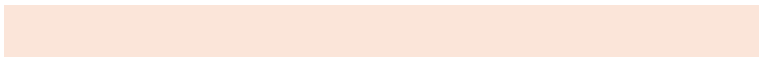
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



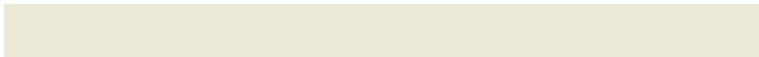
81.4050, 0.2896, 0.3163



81.4050, 0.2987, 0.3086



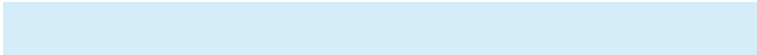
81.4050, 0.3364, 0.3411



81.4050, 0.3266, 0.3500

Sweetspot

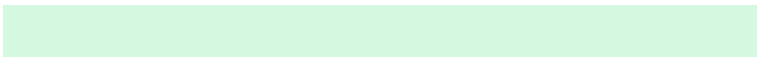
The Sweet Spot groups the original color and five complimentary colors.



81.4084, 0.2896, 0.3163



96.0231, 0.3065, 0.3258



87.1290, 0.3041, 0.3559



20.3961, 0.3054, 0.3252



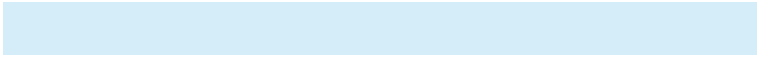
0.0000, 0.0000, 0.0000



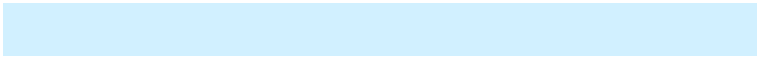
21.4041, 0.3127, 0.3290

Same Dimension

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



81.4084, 0.2896, 0.3163



83.1732, 0.2847, 0.3134



71.3806, 0.2889, 0.2966



18.6035, 0.2980, 0.3211



18.9625, 0.1942, 0.2192



1.9488, 0.1983, 0.2338

Inverse Universe

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



73.3376, 0.3227, 0.3038



73.2077, 0.3251, 0.2982



88.5421, 0.3361, 0.3595



17.4231, 0.3188, 0.3131



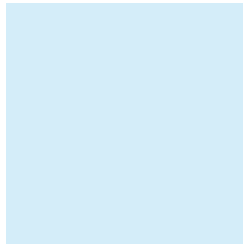
12.3252, 0.4241, 0.2110



1.1610, 0.4086, 0.2025

Previews

White Background



This preview shows how the Yxy color 81.4050, 0.2896, 0.3163 looks on a white background.

Color Contrast Check

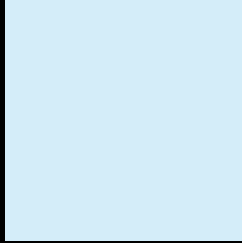
Large Text (above 18pt) WCAG AA × Fail

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 81.4050, 0.2896, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

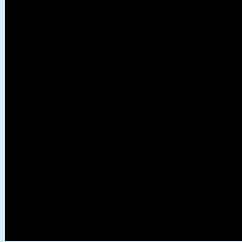
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

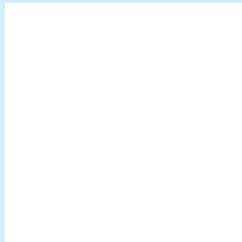
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4050, 0.2896, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 81.4050, 0.2896, 0.3163.

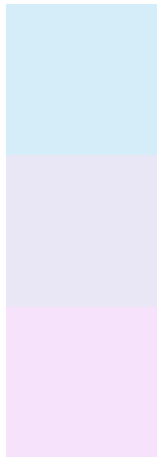


This preview shows how white text looks on a background with the Yxy color 81.4050, 0.2896, 0.3163.

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

81.4050, 0.2896, 0.3163

Protanopia

81.0680, 0.3053, 0.3147

Deuteranopia

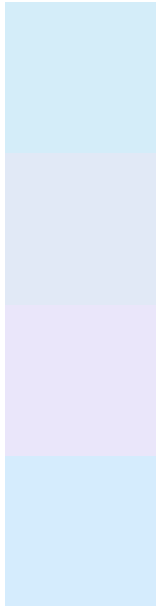
81.1319, 0.3111, 0.3043



Tritanopia

81.3570, 0.2868, 0.3091

Trichromacy



Original Color

81.4050, 0.2896, 0.3163

Protanomaly

80.9392, 0.2995, 0.3155

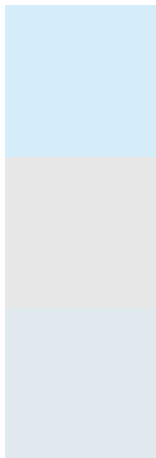
Deuteranomaly

80.9882, 0.3030, 0.3087

Tritanomaly

81.2289, 0.2879, 0.3112

Monochromacy



Original Color

81.4050, 0.2896, 0.3163

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.2982, 0.3036, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4050, 0.2896, 0.3163 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, 237, 249)` looks like.

```
.text, #text, p{  
    color:rgb(212, 237, 249)  
}
```

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, 237, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 237, 249) }
```

Border

The CSS property to change the border of an element to Yxy 81.4050, 0.2896, 0.3163 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, 237, 249) }
```

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

```
.border{ border-color:rgb(212, 237, 249) }
```

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

Here you see how a box with a 4 pixel rgb(212, 237, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 237, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 237, 249);  
box-shadow:4px 4px 4px 4px rgb(212, 237,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4050, 0.2896, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 237, 249) }
```

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

```
.background{ background-color: rgb(212,  
237, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor