

Converting Colors

$Y_{xy}(83.2723, 0.2794, 0.3080)$

Have a look what the booklet for
Yxy(83.2723, 0.2794, 0.3080)
contains.

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Color

Yxy(83.1097, 0.2823, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	CDF1FF
RGB	205, 241, 255
RGB Percent	80%, 95%, 100%
CMY	0.1963, 0.0548, 0.0000
CMYK	0.20, 0.05, 0.00, 0.00
HSL	197°, 100%, 90%
HSV	197°, 20%, 100%
XYZ	74.6718, 83.1097, 106.7306
YIQ	231.8320, -25.9500, -3.2780

Conversions

Conversions Part 2

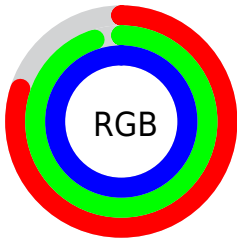
Format	Color
R_{YB}	205, 226, 255
Decimal	13496831
CIE _{Lab}	93.06, -8.73, -10.63
CIE _{LCh}	93, 13.761, 230.605
Yxy	83.1097, 0.2823, 0.3142
Android (android.graphics.Color)	4291686911 (0xFFCDF1FF)
YUV	231.8320, 11.4218, -23.5317
Hunter-Lab	91.1645, -13.3307, -5.5985

Details

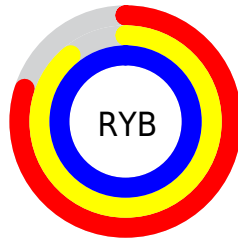
The Yxy color **83.1097, 0.2823, 0.3142** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2871, 0.3491, 0.3433**, and the grayscale version is **80.4848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2592, 0.2759, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **75.6424, 0.2672, 0.3056**, and if you desaturate by 10%, it is **91.3368, 0.2978, 0.3221**.

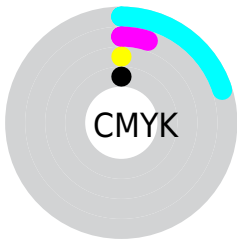
Distribution



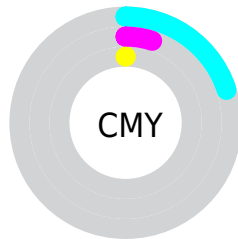
- Red (80%)
- Green (95%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1097, 0.2823, 0.3142 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 83.1097, 0.2823, 0.3142 by changing the saturation by 10% instead.

83.1097, 0.2823,
0.3142

83.1097, 0.2823,
0.3142

505.3520, 0.2959,
0.3210

62.2807, 0.2793,
0.3126

137.7291, 0.2869,
0.3166

45.2595, 0.2756,
0.3107

172.2882, 0.2888,
0.3175

31.6619, 0.2711,
0.3083

212.1929, 0.2903,
0.3183

21.1034, 0.2653,
0.3052

257.8274, 0.2917,
0.3190

13.1996, 0.2576,
0.3010

309.5761, 0.2930,
0.3196

7.5661, 0.2470,
0.2949

367.8236, 0.2941,

3.8186, 0.2314,

0.3201

0.2857

432.9541, 0.2950,
0.3206

■ 1.5726, 0.2065,
0.2699

■ 0.3390, 0.0695,
0.2162

■ 83.1097, 0.2823,
0.3142

■ 83.1097, 0.2823,
0.3142

■ 75.6424, 0.2672,
0.3056

■ 91.3368, 0.2978,
0.3221

■ 68.8983, 0.2528,
0.2964

100.0000, 0.3127,
0.3290

■ 62.8467, 0.2394,
0.2865

■ 57.4517, 0.2275,
0.2763

■ 52.6735, 0.2173,
0.2657

■ 48.4666, 0.2090,
0.2550

■ 44.7777, 0.2028,
0.2444

■ 41.5235, 0.1984,
0.2339

■ 41.4084, 0.1982,
0.2335

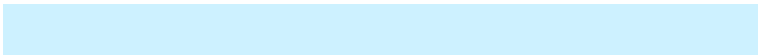
Harmonies

Analogous

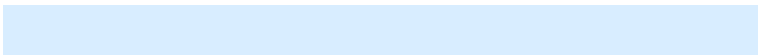
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1097, 0.2867, 0.3279



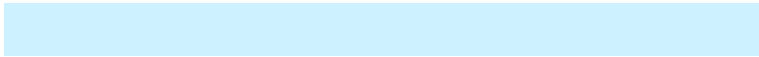
83.1097, 0.2823, 0.3142



83.1097, 0.2857, 0.3050

Triad

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



83.1097, 0.2823, 0.3142



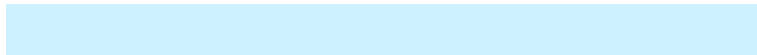
83.1097, 0.3272, 0.3161



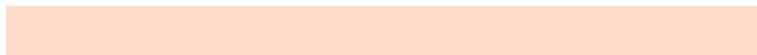
83.1097, 0.3289, 0.3570

Complementary

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



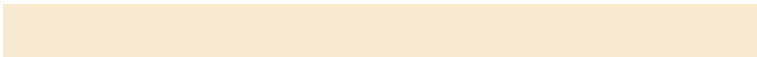
83.1097, 0.2823, 0.3142



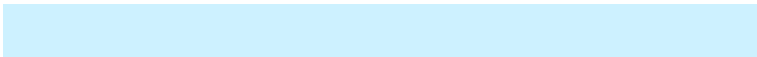
76.2871, 0.3491, 0.3433

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.



83.1097, 0.3402, 0.3529



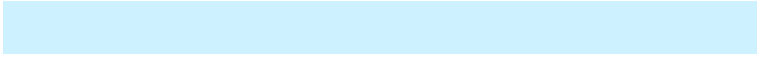
83.1097, 0.2823, 0.3142



83.1097, 0.3393, 0.3292

Square

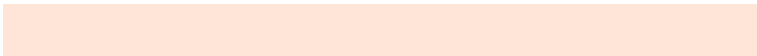
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



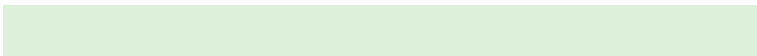
83.1097, 0.2823, 0.3142



83.1097, 0.3114, 0.3064



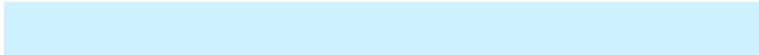
83.1097, 0.3441, 0.3426



83.1097, 0.3134, 0.3532

Rectangle

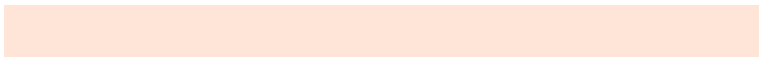
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1097, 0.2823, 0.3142



83.1097, 0.2921, 0.3024



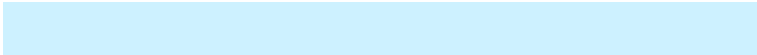
83.1097, 0.3441, 0.3426



83.1097, 0.3333, 0.3564

Sweetspot

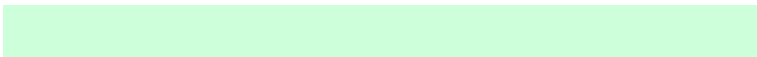
The Sweet Spot groups the original color and five complimentary colors.



83.1117, 0.2823, 0.3142



94.5165, 0.3034, 0.3248



89.5677, 0.3028, 0.3684



20.1064, 0.3024, 0.3243



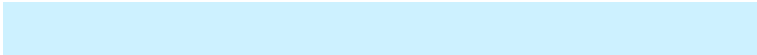
0.0000, 0.0000, 0.0000



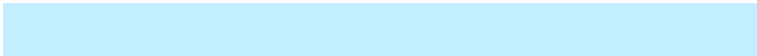
21.4041, 0.3127, 0.3290

Same Dimension

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



83.1117, 0.2823, 0.3142



79.7575, 0.2757, 0.3106



69.6208, 0.2807, 0.2877



19.5733, 0.2980, 0.3222



21.9016, 0.1987, 0.2353



2.3170, 0.2020, 0.2473

Inverse Universe

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



71.2457, 0.3248, 0.2932



65.9222, 0.3281, 0.2849



89.9573, 0.3445, 0.3672



18.2087, 0.3181, 0.3120



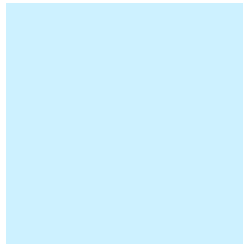
12.9389, 0.4071, 0.2017



1.2784, 0.3950, 0.1949

Previews

White Background



This preview shows how the Yxy color 83.1097, 0.2823, 0.3142 looks on a white background.

Color Contrast Check

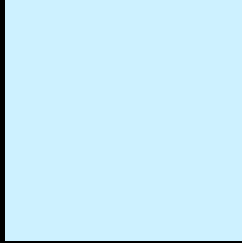
Large Text (above 18pt) WCAG AA × Fail

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 83.1097, 0.2823, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

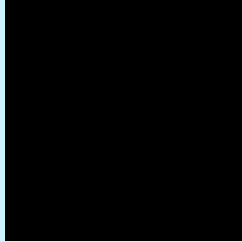
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1097, 0.2823, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 83.1097, 0.2823, 0.3142.



This preview shows how white text looks on a background with the Yxy color 83.1097, 0.2823, 0.3142.

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

83.1097, 0.2823, 0.3142

Protanopia

82.6724, 0.3029, 0.3118

Deuteranopia

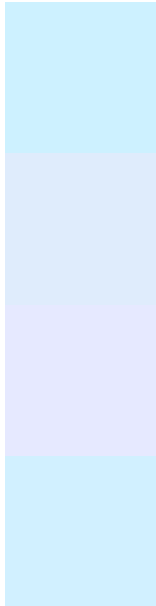
82.6711, 0.3072, 0.3033



Tritanopia

82.9501, 0.2864, 0.3123

Trichromacy



Original Color

83.1097, 0.2823, 0.3142

Protanomaly

82.7072, 0.2947, 0.3125

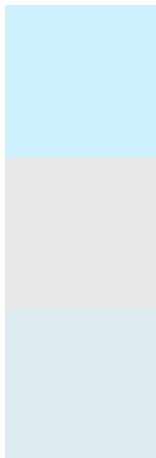
Deuteranomaly

82.3208, 0.2974, 0.3067

Tritanomaly

83.0955, 0.2846, 0.3133

Monochromacy



Original Color

83.1097, 0.2823, 0.3142

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.2375, 0.3011, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1097, 0.2823, 0.3142 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(205, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 241, 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(205, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.1097, 0.2823, 0.3142 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(205, 241, 255) }
```

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

```
.border{ border-color:rgb(205, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1097, 0.2823, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 241, 255) }
```

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

```
.background{ background-color: rgb(205,  
241, 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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