

Converting Colors

Yxy(83.4810, 0.2850, 0.3161)

Have a look what the booklet for
Yxy(83.4810, 0.2850, 0.3161)
contains.

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Color

Yxy(83.4123, 0.2852, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	D0F1FD
RGB	208, 241, 253
RGB Percent	82%, 95%, 99%
CMY	0.1841, 0.0549, 0.0077
CMYK	0.18, 0.05, 0.00, 0.01
HSL	196°, 92%, 90%
HSV	196°, 18%, 99%
XYZ	75.2108, 83.4123, 105.0895
YIQ	232.5010, -23.5200, -3.2640

Conversions

Conversions Part 2

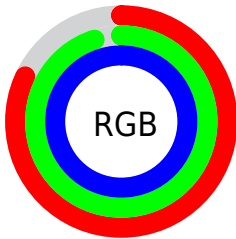
Format	Color
R _{YB}	208, 227, 253
Decimal	13693437
CIE Lab	93.19, -8.20, -9.38
CIE LCh	93, 12.459, 228.863
Yxy	83.4123, 0.2852, 0.3163
Android (android.graphics.Color)	4291883517 (0xFFD0F1FD)
YUV	232.5010, 10.1060, -21.4874
Hunter-Lab	91.3303, -12.8327, -4.2910

Details

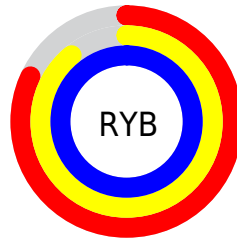
The Yxy color **83.4123, 0.2852, 0.3163** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.6788, 0.3451, 0.3414**, and the grayscale version is **81.0361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4558, 0.2794, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **76.0993, 0.2701, 0.3082**, and if you desaturate by 10%, it is **91.4663, 0.3007, 0.3237**.

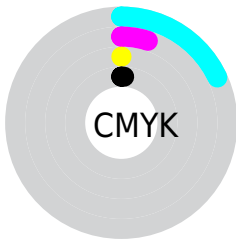
Distribution



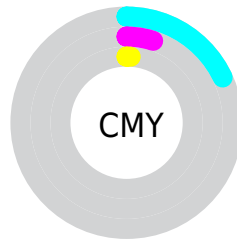
- Red (82%)
- Green (95%)
- Blue (99%)



- Red (82%)
- Yellow (89%)
- Blue (99%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (18%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4123, 0.2852, 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 83.4123, 0.2852, 0.3163 by changing the saturation by 10% instead.

83.4123, 0.2852,
0.3163

83.4123, 0.2852,
0.3163

506.3596, 0.2975,
0.3222

62.5303, 0.2825,
0.3150

138.1528, 0.2894,
0.3183

45.4614, 0.2792,
0.3133

172.7801, 0.2910,
0.3191

31.8210, 0.2750,
0.3113

212.7579, 0.2925,
0.3198

21.2248, 0.2698,
0.3086

258.4708, 0.2937,
0.3204

13.2884, 0.2628,
0.3049

310.3029, 0.2949,
0.3209

7.6275, 0.2531,
0.2998

368.6389, 0.2958,

3.8575, 0.2389,

0.3214

0.2918

433.8630, 0.2967,
0.3218

■ 1.5942, 0.2160,
0.2782

■ 0.3537, 0.0888,
0.2307

■ 83.4123, 0.2852,
0.3163

■ 83.4123, 0.2852,
0.3163

■ 76.0993, 0.2701,
0.3082

■ 91.4663, 0.3007,
0.3237

■ 69.4879, 0.2556,
0.2995

99.5787, 0.3139,
0.3304

■ 63.5498, 0.2422,
0.2902

99.8738, 0.3138,
0.3309

■ 58.2507, 0.2301,
0.2804

■ 53.5526, 0.2197,
0.2704

■ 49.4125, 0.2112,
0.2602

■ 45.7798, 0.2048,
0.2500

■ 42.5878, 0.2003,
0.2400

■ 41.9170, 0.1994,
0.2378

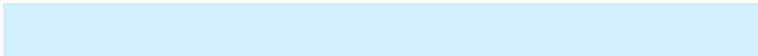
Harmonies

Analogous

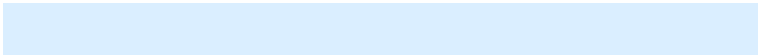
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4123, 0.2896, 0.3288



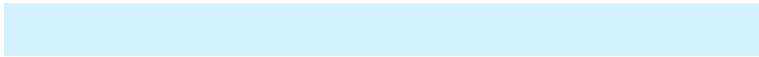
83.4123, 0.2852, 0.3163



83.4123, 0.2879, 0.3076

Triad

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



83.4123, 0.2852, 0.3163



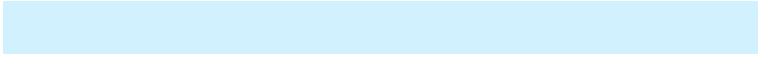
83.4123, 0.3251, 0.3167



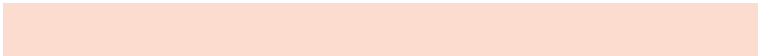
83.4123, 0.3281, 0.3542

Complementary

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



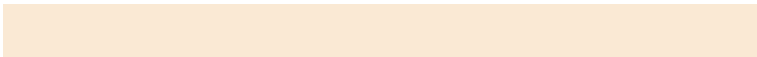
83.4123, 0.2852, 0.3163



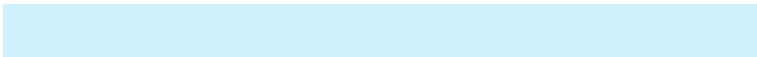
76.6788, 0.3451, 0.3414

Split Complementary

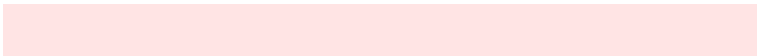
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4123, 0.3380, 0.3502



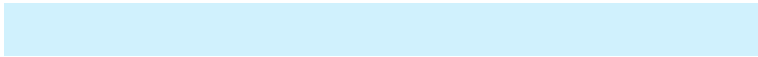
83.4123, 0.2852, 0.3163



83.4123, 0.3363, 0.3285

Square

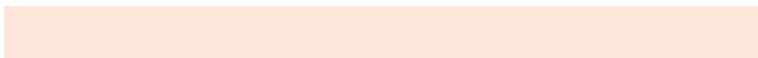
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



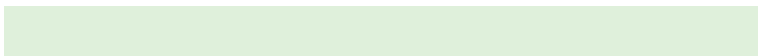
83.4123, 0.2852, 0.3163



83.4123, 0.3107, 0.3081



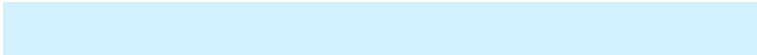
83.4123, 0.3411, 0.3407



83.4123, 0.3142, 0.3512

Rectangle

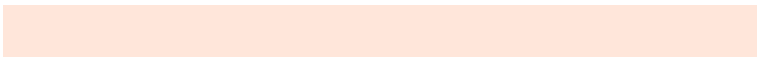
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



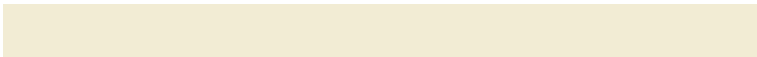
83.4123, 0.2852, 0.3163



83.4123, 0.2934, 0.3050



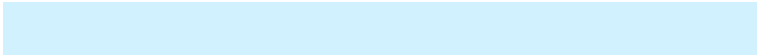
83.4123, 0.3411, 0.3407



83.4123, 0.3320, 0.3536

Sweetspot

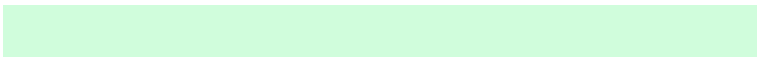
The Sweet Spot groups the original color and five complimentary colors.



83.4157, 0.2852, 0.3163



95.5032, 0.3050, 0.3257



88.8570, 0.3037, 0.3643



20.3097, 0.3039, 0.3252



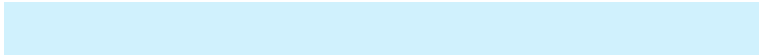
0.0000, 0.0000, 0.0000



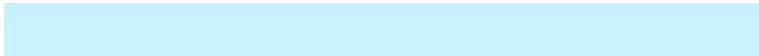
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4157, 0.2852, 0.3163



82.4127, 0.2803, 0.3138



70.9368, 0.2839, 0.2920



19.6104, 0.2980, 0.3225



22.5450, 0.1999, 0.2394



2.3753, 0.2030, 0.2509

Inverse Universe

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



72.3745, 0.3231, 0.2962



69.5743, 0.3254, 0.2900



89.2685, 0.3413, 0.3635



18.2125, 0.3179, 0.3118



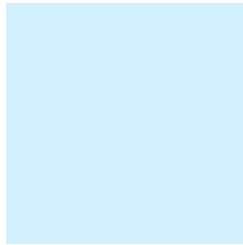
13.0039, 0.4029, 0.1993



1.2843, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 83.4123, 0.2852, 0.3163 looks on a white background.

Color Contrast Check

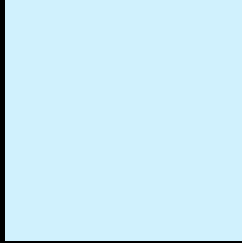
Large Text (above 18pt) WCAG AA × Fail

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 83.4123, 0.2852, 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

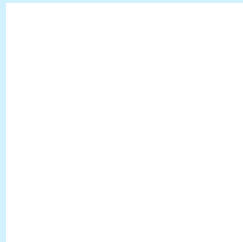
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4123, 0.2852, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 83.4123, 0.2852, 0.3163.

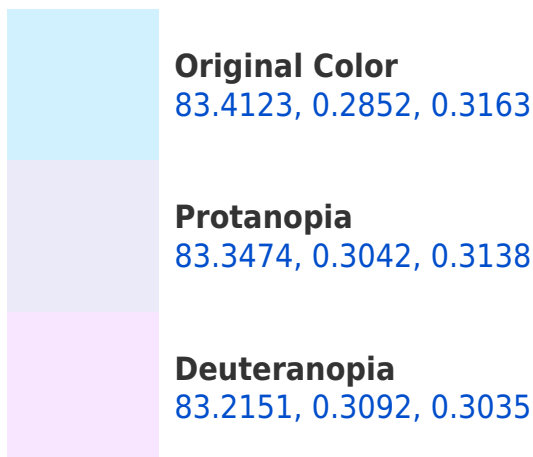


This preview shows how white text looks on a background with the Yxy color 83.4123, 0.2852, 0.3163.

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

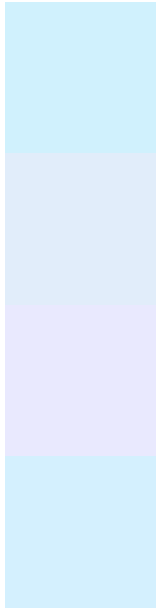




Tritanopia

83.2491, 0.2876, 0.3123

Trichromacy



Original Color

83.4123, 0.2852, 0.3163

Protanomaly

83.4781, 0.2971, 0.3156

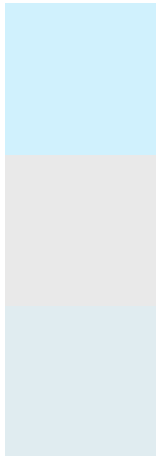
Deuteranomaly

82.7572, 0.2999, 0.3078

Tritanomaly

83.4730, 0.2870, 0.3144

Monochromacy



Original Color

83.4123, 0.2852, 0.3163

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1295, 0.3024, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4123, 0.2852, 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(208, 241, 253)` looks like.

```
.text, #text, p{  
    color:rgb(208, 241, 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(208, 241, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 241, 253) }
```

Border

The CSS property to change the border of an element to Yxy 83.4123, 0.2852, 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(208, 241, 253) }
```

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

```
.border{ border-color:rgb(208, 241, 253) }
```

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

Here you see how a box with a 4 pixel rgb(208, 241, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 241, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 241, 253);  
box-shadow:4px 4px 4px 4px rgb(208, 241,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4123, 0.2852, 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(208, 241, 253) }
```

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

```
.background{ background-color: rgb(208,  
241, 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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