

Converting Colors

$Yxy(83.1502, 0.2855, 0.3208)$

Have a look what the booklet for
Yxy(83.1502, 0.2855, 0.3208)
contains.

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Color

Yxy(83.3230, 0.2857, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	CDF2F9
RGB	205, 242, 249
RGB Percent	80%, 95%, 98%
CMY	0.1957, 0.0510, 0.0235
CMYK	0.18, 0.03, 0.00, 0.02
HSL	190°, 79%, 89%
HSV	190°, 18%, 98%
XYZ	74.0447, 83.3230, 101.8018
YIQ	231.7350, -24.2990, -5.6670

Conversions

Conversions Part 2

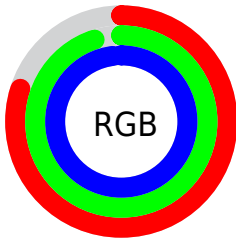
Format	Color
R _Y B	205, 225, 249
Decimal	13497081
CIE Lab	93.16, -10.43, -7.37
CIE LCh	93, 12.770, 215.234
Yxy	83.3230, 0.2857, 0.3215
Android (android.graphics.Color)	4291687161 (0xFFCDF2F9)
YUV	231.7350, 8.5116, -23.4466
Hunter-Lab	91.2814, -14.9487, -2.2263

Details

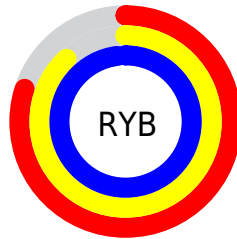
The Yxy color **83.3230, 0.2857, 0.3215** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.6890, 0.3457, 0.3364**, and the grayscale version is **80.4491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4521, 0.2793, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **77.7188, 0.2712, 0.3167**, and if you desaturate by 10%, it is **89.5491, 0.3009, 0.3259**.

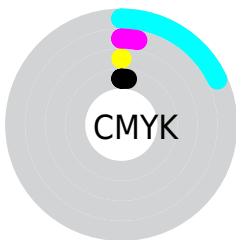
Distribution



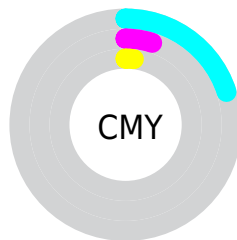
- Red (80%)
- Green (95%)
- Blue (98%)



- Red (80%)
- Yellow (88%)
- Blue (98%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3230, 0.2857, 0.3215 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 83.3230, 0.2857, 0.3215 by changing the saturation by 10% instead.

83.3230, 0.2857,
0.3215

83.3230, 0.2857,
0.3215

506.0624, 0.2978,
0.3250

62.4566, 0.2830,
0.3207

138.0278, 0.2898,
0.3227

45.4018, 0.2798,
0.3197

172.6350, 0.2914,
0.3232

31.7740, 0.2757,
0.3184

212.5912, 0.2929,
0.3236

21.1889, 0.2705,
0.3167

258.2809, 0.2941,
0.3240

13.2622, 0.2636,
0.3144

310.0885, 0.2952,
0.3243

7.6093, 0.2541,
0.3110

368.3984, 0.2962,

3.8460, 0.2400,

0.3246

0.3058

433.5948, 0.2970,
0.3248

■ 1.5878, 0.2172,
0.2964

■ 0.3494, 0.0586,
0.2642

■ 83.3230, 0.2857,
0.3215

■ 83.3230, 0.2857,
0.3215

■ 77.7188, 0.2712,
0.3167

■ 89.5491, 0.3009,
0.3259

■ 72.6993, 0.2576,
0.3116

■ 96.4121, 0.3164,
0.3299

■ 68.2389, 0.2454,
0.3062

■ 98.9311, 0.3162,
0.3337

■ 64.3059, 0.2347,
0.3006

■ 99.6196, 0.3162,
0.3347

■ 60.8651, 0.2258,
0.2949

■ 57.8764, 0.2189,
0.2891

■ 55.2929, 0.2139,
0.2834

■ 53.0523, 0.2107,
0.2777

■ 52.5510, 0.2101,
0.2763

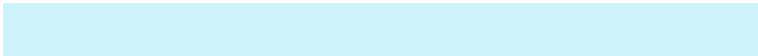
Harmonies

Analogous

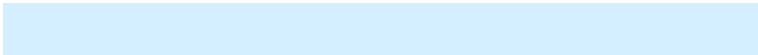
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3230, 0.2933, 0.3350



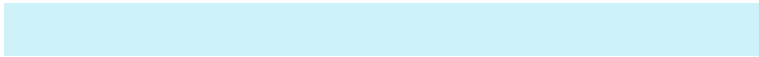
83.3230, 0.2857, 0.3215



83.3230, 0.2851, 0.3104

Triad

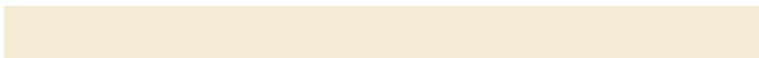
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3230, 0.2857, 0.3215



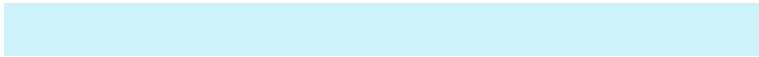
83.3230, 0.3188, 0.3118



83.3230, 0.3338, 0.3538

Complementary

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



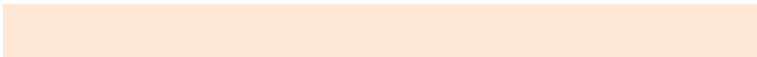
83.3230, 0.2857, 0.3215



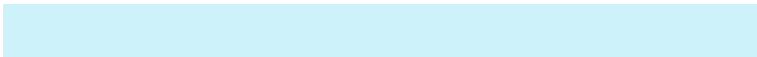
71.6890, 0.3457, 0.3364

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.



83.3230, 0.3411, 0.3469



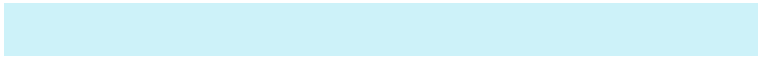
83.3230, 0.2857, 0.3215



83.3230, 0.3323, 0.3227

Square

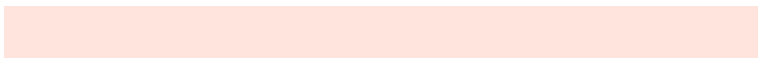
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



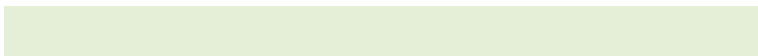
83.3230, 0.2857, 0.3215



83.3230, 0.3040, 0.3053



83.3230, 0.3405, 0.3355



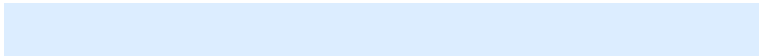
83.3230, 0.3210, 0.3541

Rectangle

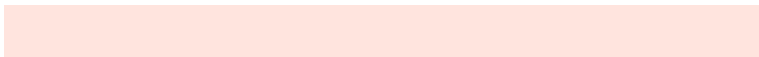
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



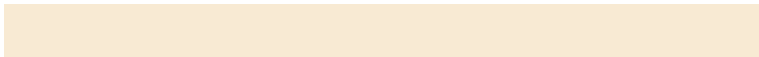
83.3230, 0.2857, 0.3215



83.3230, 0.2888, 0.3059



83.3230, 0.3405, 0.3355



83.3230, 0.3370, 0.3522

Sweetspot

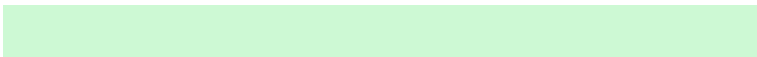
The Sweet Spot groups the original color and five complimentary colors.



83.3264, 0.2857, 0.3215



96.3689, 0.3049, 0.3270



85.4798, 0.3067, 0.3697



20.5206, 0.3038, 0.3267



0.0000, 0.0000, 0.0000



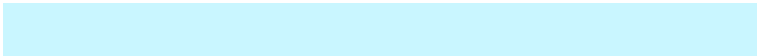
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3264, 0.2857, 0.3215



85.8831, 0.2807, 0.3199



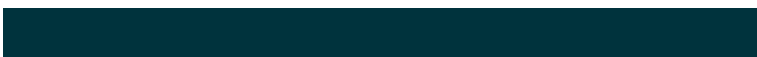
71.2569, 0.2845, 0.2981



19.1086, 0.2980, 0.3251



28.3053, 0.2104, 0.2773



2.7439, 0.2123, 0.2841

Inverse Universe

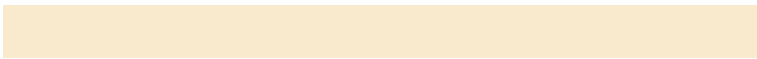
The Inverse Universe completely reimagines the original color for something new.



70.2533, 0.3197, 0.2919



69.9246, 0.3212, 0.2845



83.1870, 0.3419, 0.3581



17.4741, 0.3163, 0.3093



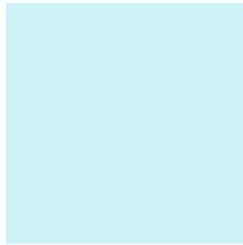
13.2683, 0.3660, 0.1790



1.2412, 0.3597, 0.1755

Previews

White Background



This preview shows how the Yxy color 83.3230, 0.2857, 0.3215 looks on a white background.

Color Contrast Check

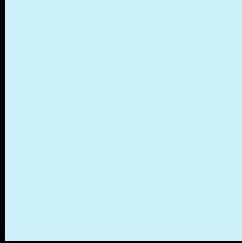
Large Text (above 18pt) WCAG AA × Fail

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 83.3230, 0.2857, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

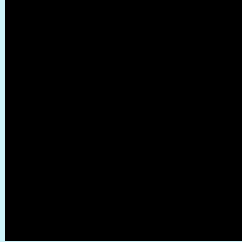
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3230, 0.2857, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 83.3230, 0.2857, 0.3215.

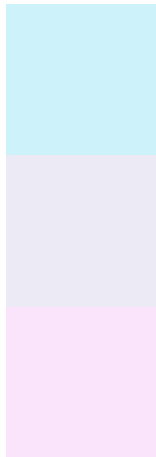


This preview shows how white text looks on a background with the Yxy color 83.3230, 0.2857, 0.3215.

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

83.3230, 0.2857, 0.3215

Protanopia

83.2102, 0.3079, 0.3189

Deuteranopia

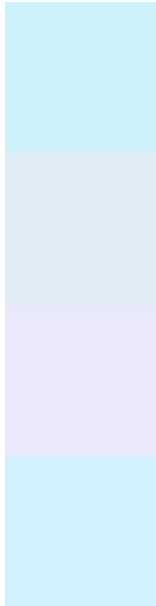
82.8391, 0.3125, 0.3055



Tritanopia

83.0991, 0.2870, 0.3123

Trichromacy



Original Color

83.3230, 0.2857, 0.3215

Protanomaly

83.2297, 0.2995, 0.3197

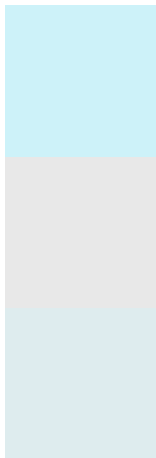
Deuteranomaly

82.7353, 0.3023, 0.3108

Tritanomaly

83.1137, 0.2863, 0.3153

Monochromacy



Original Color

83.3230, 0.2857, 0.3215

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.6935, 0.3023, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3230, 0.2857, 0.3215 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, 242, 249)` looks like.

```
.text, #text, p{  
    color:rgb(205, 242, 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(205, 242, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 242, 249) }
```

Border

The CSS property to change the border of an element to Yxy 83.3230, 0.2857, 0.3215 is called "border". The border property can be set on classes, ids or directly on the HTML element.

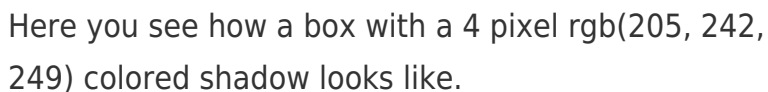
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 242, 249) }
```

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

```
.border{ border-color:rgb(205, 242, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 242, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 242, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 242, 249);  
box-shadow:4px 4px 4px 4px rgb(205, 242,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3230, 0.2857, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 242, 249) }
```

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

```
.background{ background-color: rgb(205,  
242, 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](#).

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