

Converting Colors

$Y_{xy}(82.0200, 0.2901, 0.3315)$

Have a look what the booklet for
Yxy(82.0200, 0.2901, 0.3315)
contains.

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Color

Yxy(81.8391, 0.2899, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	CBF1EF
RGB	203, 241, 239
RGB Percent	80%, 95%, 94%
CMY	0.2041, 0.0548, 0.0628
CMYK	0.16, 0.00, 0.01, 0.05
HSL	177°, 58%, 87%
HSV	177°, 16%, 95%
XYZ	71.6556, 81.8391, 93.6787
YIQ	229.4100, -22.0060, -8.6780

Conversions

Conversions Part 2

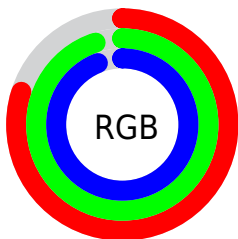
Format	Color
R_{YB}	203, 223, 241
Decimal	13365743
CIE _{Lab}	92.50, -12.62, -3.14
CIE _{LCh}	93, 13.009, 193.989
Yxy	81.8391, 0.2899, 0.3311
Android (android.graphics.Color)	4291555823 (0xFFC _B F1EF)
YUV	229.4100, 4.7279, -23.1616
Hunter-Lab	90.4650, -16.9273, 1.9292

Details

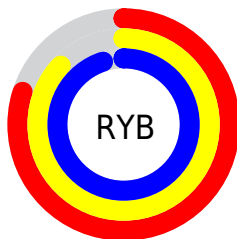
The Yxy color **81.8391, 0.2899, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8045, 0.3410, 0.3269**, and the grayscale version is **78.6461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4127, 0.2846, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **78.6432, 0.2766, 0.3326**, and if you desaturate by 10%, it is **85.5683, 0.3041, 0.3297**.

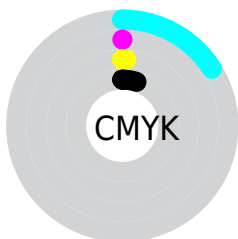
Distribution



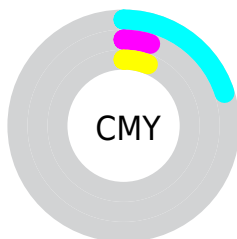
- Red (80%)
- Green (95%)
- Blue (94%)



- Red (80%)
- Yellow (87%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (20%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8391, 0.2899, 0.3311 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 81.8391, 0.2899, 0.3311 by changing the saturation by 10% instead.

81.8391, 0.2899,
0.3311

81.8391, 0.2899,
0.3311

501.1093, 0.3002,
0.3302

61.2329, 0.2876,
0.3313

135.9483, 0.2934,
0.3308

44.4132, 0.2848,
0.3315

170.2202, 0.2948,
0.3307

30.9955, 0.2813,
0.3317

209.8161, 0.2960,
0.3306

20.5954, 0.2768,
0.3320

255.1203, 0.2970,
0.3305

12.8286, 0.2708,
0.3324

306.5174, 0.2980,
0.3304

7.3106, 0.2624,
0.3328

364.3916, 0.2988,

3.6571, 0.2498,

0.3304

429.1275, 0.2995,
0.3303

0.3333

1.4837, 0.2290,
0.3335

0.2772, 0.0000,
0.3470

81.8391, 0.2899,
0.3311

81.8391, 0.2899,
0.3311

78.6432, 0.2766,
0.3326

85.5683, 0.3041,
0.3297

75.9461, 0.2646,
0.3342

89.8433, 0.3191,
0.3285


73.7252, 0.2541,
0.3358


90.6401, 0.3208,
0.3273

71.9519, 0.2454,
0.3376


90.7174, 0.3200,
0.3260

 70.5947, 0.2386,
0.3393

 90.7953, 0.3192,
0.3248

 69.6180, 0.2337,
0.3411

 90.8738, 0.3184,
0.3236


 68.9802, 0.2307,
0.3429

 90.9527, 0.3177,
0.3223

 68.6297, 0.2295,
0.3446

 91.0323, 0.3169,
0.3211

 68.5343, 0.2293,
0.3454

 91.1123, 0.3161,
0.3199

Harmonies

Analogous

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



81.8391, 0.3018, 0.3444



81.8391, 0.2899, 0.3311



81.8391, 0.2841, 0.3176

Triad

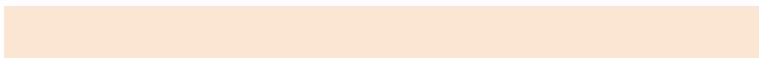
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8391, 0.2899, 0.3311



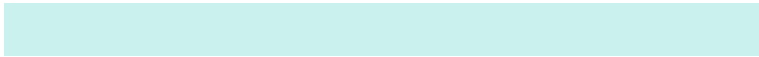
81.8391, 0.3081, 0.3061



81.8391, 0.3404, 0.3500

Complementary

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



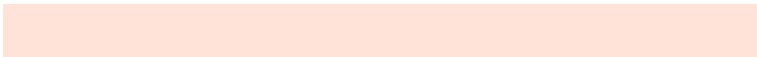
81.8391, 0.2899, 0.3311



65.8045, 0.3410, 0.3269

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.



81.8391, 0.3422, 0.3393



81.8391, 0.2899, 0.3311



81.8391, 0.3234, 0.3143

Square

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



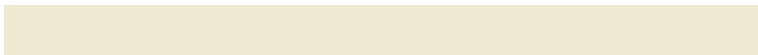
81.8391, 0.2899, 0.3311



81.8391, 0.2944, 0.3036



81.8391, 0.3360, 0.3263



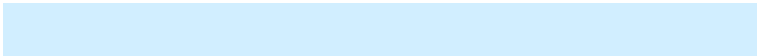
81.8391, 0.3310, 0.3553

Rectangle

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



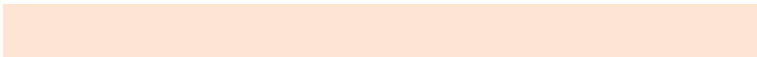
81.8391, 0.2899, 0.3311



81.8391, 0.2843, 0.3104



81.8391, 0.3360, 0.3263



81.8391, 0.3419, 0.3469

Sweetspot

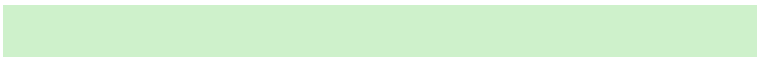
The Sweet Spot groups the original color and five complimentary colors.



81.8425, 0.2899, 0.3311



97.6181, 0.3053, 0.3296



80.2796, 0.3124, 0.3713



20.8254, 0.3042, 0.3297



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.



81.8425, 0.2899, 0.3311



91.7764, 0.2854, 0.3316



72.6373, 0.2880, 0.3109



17.9137, 0.2988, 0.3302



37.1660, 0.2292, 0.3451



3.0963, 0.2286, 0.3428

Inverse Universe

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



65.8045, 0.3410, 0.3269



70.2772, 0.3483, 0.3265



73.9126, 0.3399, 0.3465



15.7724, 0.3285, 0.3278



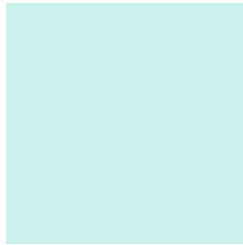
10.1623, 0.6345, 0.3269



0.8502, 0.6201, 0.3190

Previews

White Background



This preview shows how the Yxy color 81.8391, 0.2899, 0.3311 looks on a white background.

Color Contrast Check

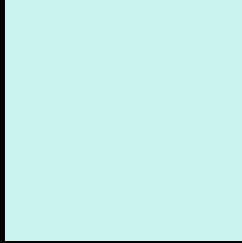
Large Text (above 18pt) WCAG AA × Fail

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 81.8391, 0.2899, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

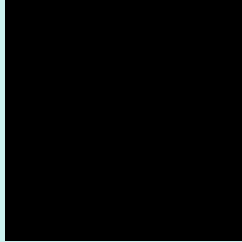
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

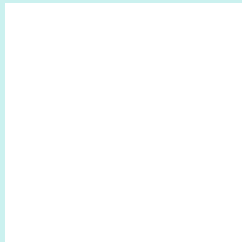
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8391, 0.2899, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 81.8391, 0.2899, 0.3311.

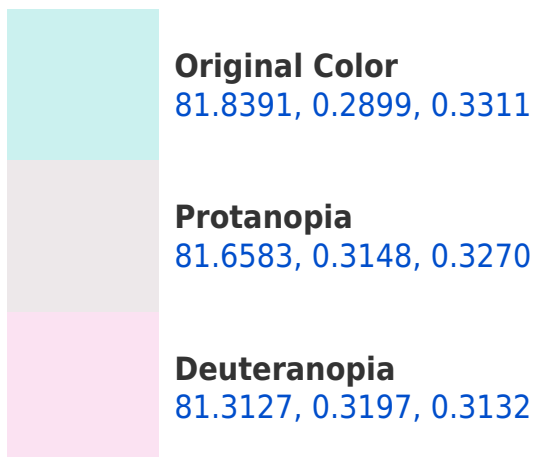


This preview shows how white text looks on a background with the Yxy color 81.8391, 0.2899, 0.3311.

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

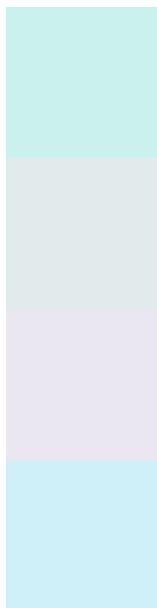




Tritanopia

81.9244, 0.2845, 0.3111

Trichromacy



Original Color

81.8391, 0.2899, 0.3311

Protanomaly

81.4803, 0.3055, 0.3279

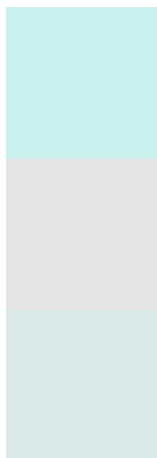
Deuteranomaly

80.9951, 0.3085, 0.3188

Tritanomaly

81.8380, 0.2867, 0.3183

Monochromacy



Original Color

81.8391, 0.2899, 0.3311

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.3767, 0.3040, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8391, 0.2899, 0.3311 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(203, 241, 239)` looks like.

```
.text, #text, p{  
    color:rgb(203, 241, 239)  
}
```

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(203, 241, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 241, 239) }
```

Border

The CSS property to change the border of an element to Yxy 81.8391, 0.2899, 0.3311 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(203, 241, 239) }
```

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

```
.border{ border-color:rgb(203, 241, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 241, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 241, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 241, 239);  
box-shadow:4px 4px 4px 4px rgb(203, 241,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8391, 0.2899, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 241, 239) }
```

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

```
.background{ background-color: rgb(203,  
241, 239) }
```

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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