

Converting Colors

$Yxy(81.8807, 0.2930, 0.3406)$

Have a look what the booklet for
Yxy(81.8807, 0.2930, 0.3406)
contains.

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Color

Yxy(81.7480, 0.2927, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	C9F2E8
RGB	201, 242, 232
RGB Percent	79%, 95%, 91%
CMY	0.2115, 0.0510, 0.0902
CMYK	0.17, 0.00, 0.04, 0.05
HSL	165°, 61%, 87%
HSV	165°, 17%, 95%
XYZ	70.4168, 81.7480, 88.4120
YIQ	228.6010, -21.2260, -11.8020

Conversions

Conversions Part 2

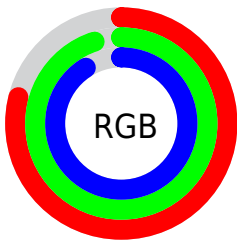
Format	Color
R _Y B	201, 224, 242
Decimal	13234920
CIE Lab	92.46, -15.09, 0.42
CIE LCh	92, 15.093, 178.407
Yxy	81.7480, 0.2927, 0.3398
Android (android.graphics.Color)	4291425000 (0xFFC9F2E8)
YUV	228.6010, 1.6757, -24.2061
Hunter-Lab	90.4146, -19.2059, 5.3135

Details

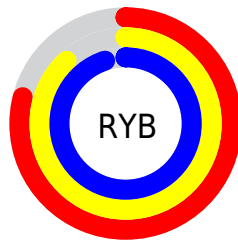
The Yxy color **81.7480, 0.2927, 0.3398** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.3831, 0.3375, 0.3185**, and the grayscale version is **78.0550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3634, 0.2881, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **78.3263, 0.2817, 0.3470**, and if you desaturate by 10%, it is **85.7161, 0.3044, 0.3332**.

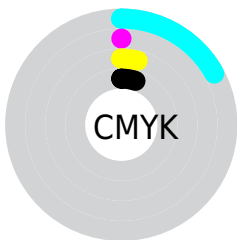
Distribution



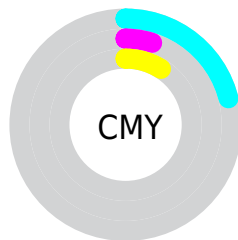
- Red (79%)
- Green (95%)
- Blue (91%)



- Red (79%)
- Yellow (88%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (21%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7480, 0.2927, 0.3398 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 81.7480, 0.2927, 0.3398 by changing the saturation by 10% instead.

81.7480, 0.2927,
0.3398

81.7480, 0.2927,
0.3398

500.8044, 0.3018,
0.3349

61.1578, 0.2907,
0.3409

135.8206, 0.2958,
0.3381

44.3526, 0.2882,
0.3422

170.0717, 0.2970,
0.3375

30.9478, 0.2851,
0.3439

209.6454, 0.2981,
0.3369

20.5591, 0.2810,
0.3461

254.9259, 0.2990,
0.3364

12.8021, 0.2757,
0.3490

306.2976, 0.2998,
0.3360

7.2924, 0.2681,
0.3532

364.1450, 0.3005,

3.6456, 0.2566,

0.3356

0.3594

428.8525, 0.3012,
0.3352

■ 1.4774, 0.2373,
0.3701

■ 0.2727, 0.0000,
0.5047

■ 81.7480, 0.2927,
0.3398

■ 81.7480, 0.2927,
0.3398

■ 78.3263, 0.2817,
0.3470

■ 85.7161, 0.3044,
0.3332

■ 75.4161, 0.2718,
0.3548

■ 90.2437, 0.3165,
0.3272

■ 72.9940, 0.2632,
0.3632

■ 91.6437, 0.3165,
0.3216

■ 71.0308, 0.2561,
0.3719

■ 91.9791, 0.3133,
0.3165

■ 69.4942, 0.2509,
0.3809

■ 68.3475, 0.2477,
0.3901

■ 67.5476, 0.2465,
0.3993

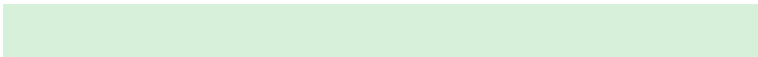
■ 67.0398, 0.2471,
0.4083

■ 66.9153, 0.2475,
0.4111

Harmonies

Analogous

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



81.7480, 0.3088, 0.3533



81.7480, 0.2927, 0.3398



81.7480, 0.2820, 0.3235

Triad

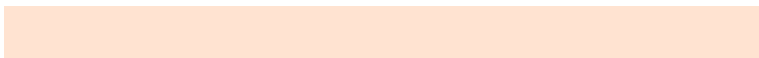
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7480, 0.2927, 0.3398



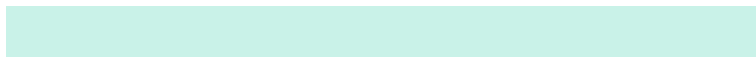
81.7480, 0.2986, 0.3001



81.7480, 0.3472, 0.3474

Complementary

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



81.7480, 0.2927, 0.3398



65.3831, 0.3375, 0.3185

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.



81.7480, 0.3444, 0.3331



81.7480, 0.2927, 0.3398



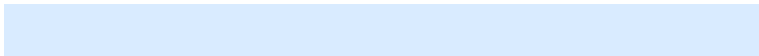
81.7480, 0.3159, 0.3064

Square

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



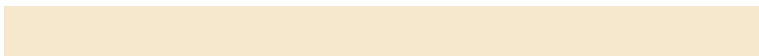
81.7480, 0.2927, 0.3398



81.7480, 0.2853, 0.3010



81.7480, 0.3328, 0.3183



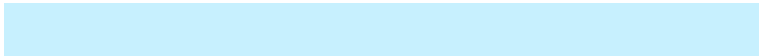
81.7480, 0.3405, 0.3573

Rectangle

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



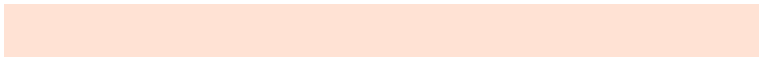
81.7480, 0.2927, 0.3398



81.7480, 0.2793, 0.3136



81.7480, 0.3328, 0.3183



81.7480, 0.3473, 0.3429

Sweetspot

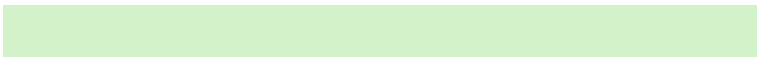
The Sweet Spot groups the original color and five complimentary colors.



81.7514, 0.2927, 0.3398



97.4627, 0.3066, 0.3320



81.6113, 0.3173, 0.3739



20.7875, 0.3058, 0.3325



0.0000, 0.0000, 0.0000



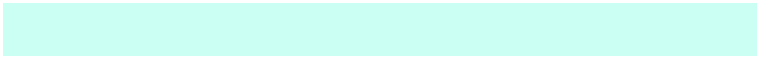
21.4041, 0.3127, 0.3290

Same Dimension

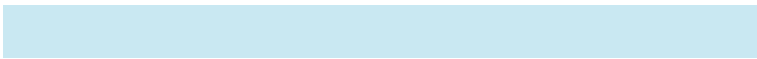
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7514, 0.2927, 0.3398



90.8015, 0.2892, 0.3420



76.4137, 0.2866, 0.3178



17.8592, 0.3013, 0.3348



35.9731, 0.2471, 0.4096



3.0082, 0.2438, 0.3976

Inverse Universe

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



65.3831, 0.3375, 0.3185



69.4267, 0.3431, 0.3164



69.8301, 0.3434, 0.3399



15.8221, 0.3255, 0.3233



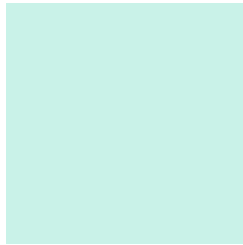
10.3290, 0.5947, 0.3050



0.8745, 0.5580, 0.2847

Previews

White Background



This preview shows how the Yxy color 81.7480, 0.2927, 0.3398 looks on a white background.

Color Contrast Check

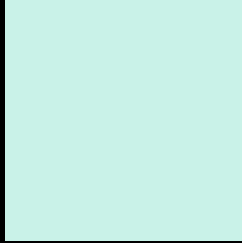
Large Text (above 18pt) WCAG AA × Fail

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 81.7480, 0.2927, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

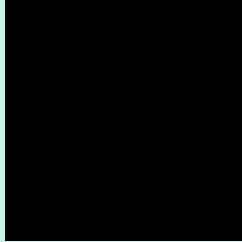
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

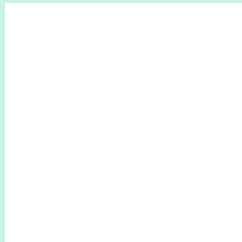
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7480, 0.2927, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 81.7480, 0.2927, 0.3398.

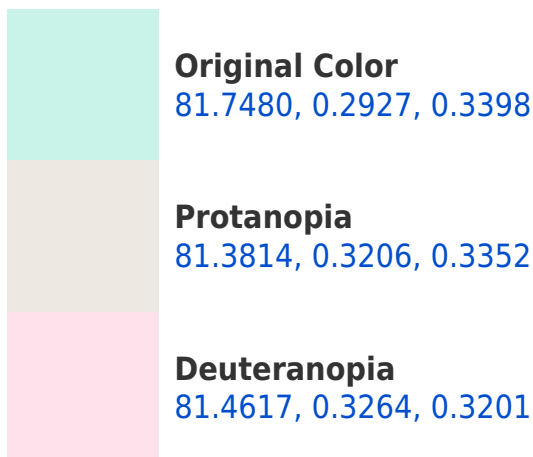


This preview shows how white text looks on a background with the Yxy color 81.7480, 0.2927, 0.3398.

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

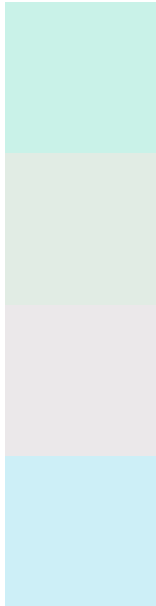




Tritanopia

81.7790, 0.2839, 0.3111

Trichromacy



Original Color

81.7480, 0.2927, 0.3398

Protanomaly

81.5999, 0.3103, 0.3374

Deuteranomaly

81.3159, 0.3135, 0.3269

Tritanomaly

81.4275, 0.2866, 0.3204

Monochromacy



Original Color

81.7480, 0.2927, 0.3398

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.6189, 0.3052, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7480, 0.2927, 0.3398 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(201, 242, 232)` looks like.

```
.text, #text, p{  
    color:rgb(201, 242, 232)  
}
```

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(201, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 242, 232) }
```

Border

The CSS property to change the border of an element to Yxy 81.7480, 0.2927, 0.3398 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(201, 242, 232) }
```

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

```
.border{ border-color:rgb(201, 242, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 242, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(201, 242,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7480, 0.2927, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 242, 232) }
```

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

```
.background{ background-color: rgb(201,  
242, 232) }
```

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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