

Converting Colors

$Yxy(81.1540, 0.2977, 0.3486)$

Have a look what the booklet for
Yxy(81.1540, 0.2977, 0.3486)
contains.

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Color

Yxy(81.4426, 0.2978, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	CAF2E0
RGB	202, 242, 224
RGB Percent	79%, 95%, 88%
CMY	0.2080, 0.0509, 0.1216
CMYK	0.17, 0.00, 0.07, 0.05
HSL	153°, 61%, 87%
HSV	153°, 17%, 95%
XYZ	69.5544, 81.4426, 82.5637
YIQ	227.9880, -18.0620, -14.0780

Conversions

Conversions Part 2

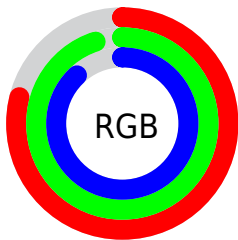
Format	Color
R_{YB}	202, 228, 242
Decimal	13300448
CIE _{Lab}	92.33, -16.36, 4.39
CIE _{LCh}	92, 16.939, 164.963
Yxy	81.4426, 0.2978, 0.3487
Android (android.graphics.Color)	4291490528 (0xFFCAF2E0)
YUV	227.9880, -1.9661, -22.7915
Hunter-Lab	90.2456, -20.3556, 8.9288

Details

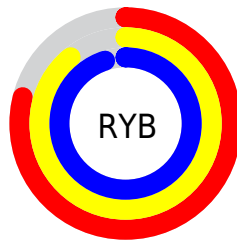
The Yxy color **81.4426, 0.2978, 0.3487** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2710, 0.3306, 0.3101**, and the grayscale version is **77.5950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2783, 0.2946, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **77.7591, 0.2893, 0.3624**, and if you desaturate by 10%, it is **85.7002, 0.3067, 0.3364**.

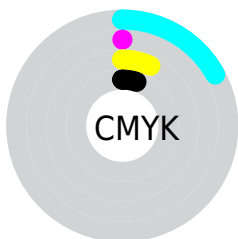
Distribution



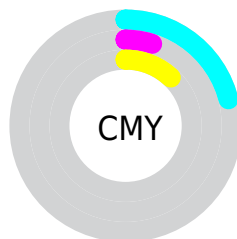
- Red (79%)
- Green (95%)
- Blue (88%)



- Red (79%)
- Yellow (89%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (21%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4426, 0.2978, 0.3487 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 81.4426, 0.2978, 0.3487 by changing the saturation by 10% instead.

81.4426, 0.2978,
0.3487

81.4426, 0.2978,
0.3487

499.7813, 0.3046,
0.3396

60.9062, 0.2963,
0.3508

135.3921, 0.3002,
0.3456

44.1495, 0.2944,
0.3533

169.5739, 0.3011,
0.3443

30.7880, 0.2920,
0.3565

209.0730, 0.3019,
0.3433

20.4375, 0.2888,
0.3607

254.2738, 0.3026,
0.3424

12.7135, 0.2846,
0.3664

305.5606, 0.3032,
0.3416

7.2315, 0.2786,
0.3747

363.3178, 0.3037,

3.6073, 0.2693,

0.3408

427.9300, 0.3042,
0.3402

0.3875

1.4564, 0.2532,
0.4102

0.2578, 0.0000,
1.0000

81.4426, 0.2978,
0.3487

81.4426, 0.2978,
0.3487

77.7591, 0.2893,
0.3624

85.7002, 0.3067,
0.3364

74.6140, 0.2816,
0.3773

90.5453, 0.3159,
0.3253


71.9837, 0.2749,
0.3934


91.9935, 0.3133,
0.3166


69.8382, 0.2696,
0.4104

 68.1447, 0.2660,
0.4280

 66.8661, 0.2644,
0.4459

 65.9589, 0.2649,
0.4635

 65.3686, 0.2673,
0.4805

 65.2089, 0.2684,
0.4862

Harmonies

Analogous

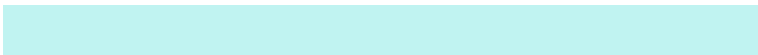
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4426, 0.3172, 0.3608



81.4426, 0.2978, 0.3487



81.4426, 0.2827, 0.3310

Triad

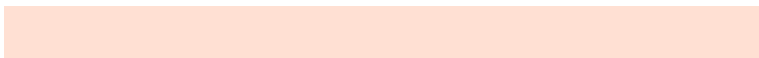
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4426, 0.2978, 0.3487



81.4426, 0.2893, 0.2960



81.4426, 0.3514, 0.3427

Complementary

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



81.4426, 0.2978, 0.3487



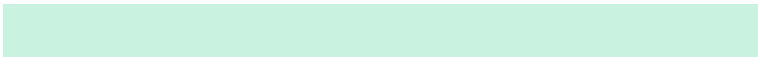
66.2710, 0.3306, 0.3101

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.



81.4426, 0.3435, 0.3259



81.4426, 0.2978, 0.3487



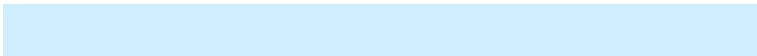
81.4426, 0.3072, 0.2996

Square

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



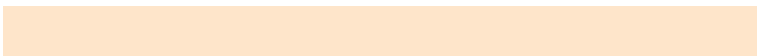
81.4426, 0.2978, 0.3487



81.4426, 0.2779, 0.3008



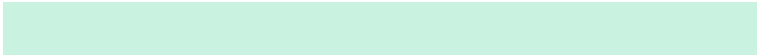
81.4426, 0.3272, 0.3104



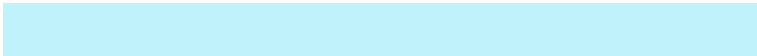
81.4426, 0.3486, 0.3566

Rectangle

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



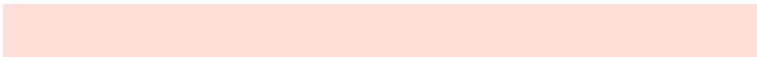
81.4426, 0.2978, 0.3487



81.4426, 0.2769, 0.3189



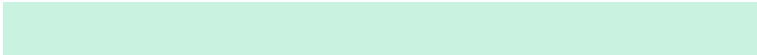
81.4426, 0.3272, 0.3104



81.4426, 0.3500, 0.3372

Sweetspot

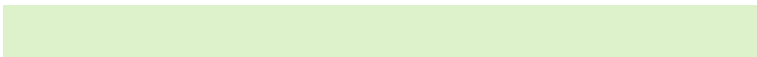
The Sweet Spot groups the original color and five complimentary colors.



81.4460, 0.2978, 0.3487



97.2973, 0.3081, 0.3346



83.0940, 0.3230, 0.3721



20.7472, 0.3075, 0.3354



0.0000, 0.0000, 0.0000



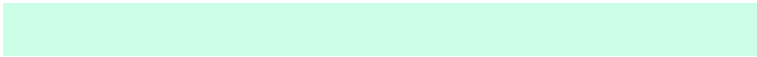
21.4041, 0.3127, 0.3290

Same Dimension

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



81.4460, 0.2978, 0.3487



90.1859, 0.2948, 0.3533



81.6848, 0.2876, 0.3275



17.8019, 0.3041, 0.3398



35.0536, 0.2676, 0.4835



2.9362, 0.2615, 0.4613

Inverse Universe

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



66.2710, 0.3306, 0.3101



69.9895, 0.3352, 0.3059



65.9956, 0.3441, 0.3305



15.8771, 0.3223, 0.3184



10.7601, 0.5169, 0.2621



0.9149, 0.4846, 0.2443

Previews

White Background



This preview shows how the Yxy color 81.4426, 0.2978, 0.3487 looks on a white background.

Color Contrast Check

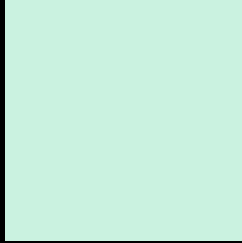
Large Text (above 18pt) WCAG AA × Fail

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 81.4426, 0.2978, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

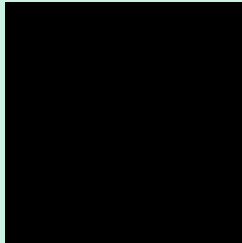
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

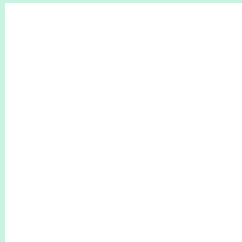
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4426, 0.2978, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 81.4426, 0.2978, 0.3487.

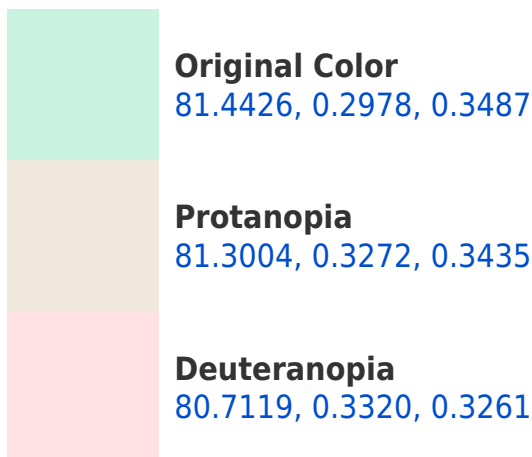


This preview shows how white text looks on a background with the Yxy color 81.4426, 0.2978, 0.3487.

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

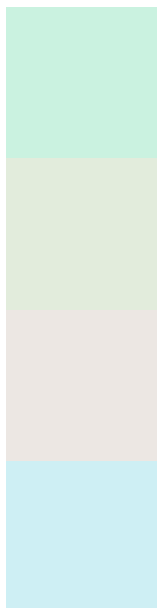




Tritanopia

81.3437, 0.2845, 0.3101

Trichromacy



Original Color

81.4426, 0.2978, 0.3487

Protanomaly

81.3270, 0.3159, 0.3459

Deuteranomaly

80.5307, 0.3187, 0.3332

Tritanomaly

81.3865, 0.2889, 0.3236

Monochromacy



Original Color

81.4426, 0.2978, 0.3487

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.8839, 0.3071, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4426, 0.2978, 0.3487 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(202, 242, 224)` looks like.

```
.text, #text, p{  
    color:rgb(202, 242, 224)  
}
```

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(202, 242, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 242, 224) }
```

Border

The CSS property to change the border of an element to Yxy 81.4426, 0.2978, 0.3487 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(202, 242, 224) }
```

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

```
.border{ border-color:rgb(202, 242, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 242, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 242, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 242, 224);  
box-shadow:4px 4px 4px 4px rgb(202, 242,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4426, 0.2978, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 242, 224) }
```

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

```
.background{ background-color: rgb(202,  
242, 224) }
```

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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