

Converting Colors

$Yxy(80.6902, 0.2986, 0.3508)$

Have a look what the booklet for
Yxy(80.6902, 0.2986, 0.3508)
contains.

| | |
|------------------------------------------------|----|
| Yxy(80.5486, 0.2989, 0.3510) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(80.5486, 0.2989, 0.3510)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | C9F1DD |
| RGB | 201, 241, 221 |
| RGB Percent | 79%, 95%, 87% |
| CMY | 0.2118, 0.0549, 0.1333 |
| CMYK | 0.17, 0.00, 0.08, 0.05 |
| HSL | 150°, 59%, 87% |
| HSV | 150°, 17%, 95% |
| XYZ | 68.5925, 80.5486, 80.3421 |
| YIQ | 226.7600, -17.4200, -14.7000 |

Conversions

Conversions Part 2

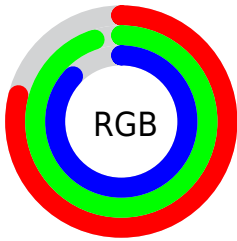
| Format | Color |
|-------------------------------------|--------------------------------------------------------------|
| RYB | 201, 228, 241 |
| Decimal | 13234653 |
| CIELab | 91.93, -16.73, 5.36 |
| CIELCh | 92, 17.568, 162.238 |
| Yxy | 80.5486, 0.2989, 0.3510 |
| Android (android.graphics.Color) | 4291424733 (0xFFC9F1DD) |
| YUV | 226.7600, -2.8397, -22.5915 |
| Hunter-Lab | 89.7489, -20.6380, 9.7485 |

Details

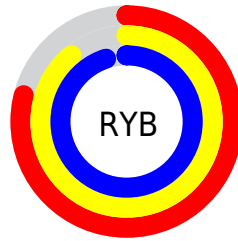
The Yxy color **80.5486, 0.2989, 0.3510** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.6920, 0.3292, 0.3080**, and the grayscale version is **76.6642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6541, 0.2960, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **76.8506, 0.2910, 0.3663**, and if you desaturate by 10%, it is **84.8235, 0.3072, 0.3373**.

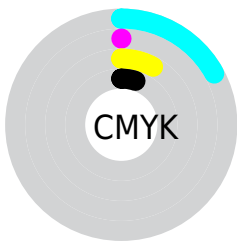
Distribution



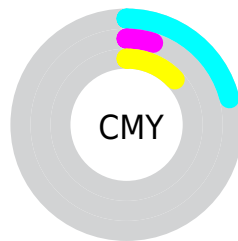
- Red (79%)
- Green (95%)
- Blue (87%)



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



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)




- Cyan (21%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5486, 0.2989, 0.3510 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 80.5486, 0.2989, 0.3510 by changing the saturation by 10% instead.


 80.5486, 0.2989,
0.3510

 80.5486, 0.2989,
0.3510


496.7797, 0.3053,
0.3408

 60.1699, 0.2975,
0.3533


134.1368, 0.3011,
0.3475

 43.5556, 0.2957,
0.3562


168.1150, 0.3020,
0.3461

 30.3213, 0.2934,
0.3598


207.3952, 0.3027,
0.3449

 20.0826, 0.2905,
0.3646

252.3618, 0.3033,
0.3439

 12.4551, 0.2865,
0.3711

303.3992, 0.3039,
0.3430

 7.0544, 0.2807,
0.3805

360.8917, 0.3044,

 3.4961, 0.2717,

0.3422

0.3953

425.2237, 0.3049,
0.3415

1.3959, 0.2559,
0.4218

0.2137, 0.0000,
1.0000

80.5486, 0.2989,
0.3510

80.5486, 0.2989,
0.3510

76.8506, 0.2910,
0.3663

84.8235, 0.3072,
0.3373


73.6940, 0.2839,
0.3830


89.6887, 0.3156,
0.3250

71.0548, 0.2777,
0.4010


91.3947, 0.3133,
0.3156


68.9034, 0.2728,
0.4200

 67.2068, 0.2697,
0.4397

 65.9279, 0.2685,
0.4596

 65.0234, 0.2693,
0.4790

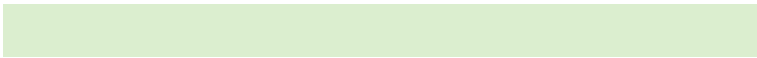
 64.4389, 0.2720,
0.4975

 64.2840, 0.2732,
0.5035

Harmonies

Analogous

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



80.5486, 0.3193, 0.3628



80.5486, 0.2989, 0.3510



80.5486, 0.2826, 0.3328

Triad

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



80.5486, 0.2989, 0.3510



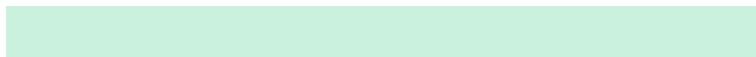
80.5486, 0.2870, 0.2948



80.5486, 0.3527, 0.3417

Complementary

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



80.5486, 0.2989, 0.3510



65.6920, 0.3292, 0.3080

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.



80.5486, 0.3435, 0.3242



80.5486, 0.2989, 0.3510



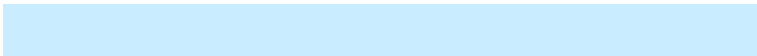
80.5486, 0.3051, 0.2978

Square

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



80.5486, 0.2989, 0.3510



80.5486, 0.2759, 0.3005



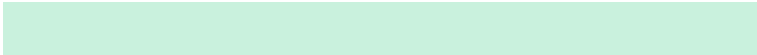
80.5486, 0.3259, 0.3084



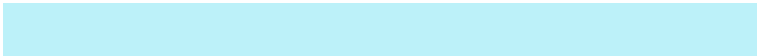
80.5486, 0.3508, 0.3566

Rectangle

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



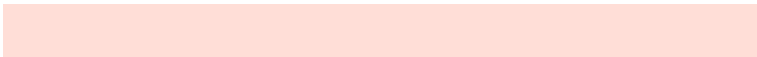
80.5486, 0.2989, 0.3510



80.5486, 0.2760, 0.3201



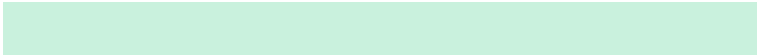
80.5486, 0.3259, 0.3084



80.5486, 0.3509, 0.3359

Sweetspot

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



80.5520, 0.2989, 0.3510



97.2578, 0.3085, 0.3352



82.5035, 0.3239, 0.3721



20.7376, 0.3079, 0.3361



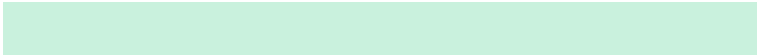
0.0000, 0.0000, 0.0000



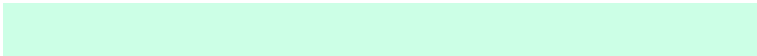
21.4041, 0.3127, 0.3290

Same Dimension

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



80.5520, 0.2989, 0.3510



90.0430, 0.2961, 0.3561



81.6825, 0.2876, 0.3289



17.7883, 0.3048, 0.3411



34.8848, 0.2724, 0.5006



2.9222, 0.2657, 0.4765

Inverse Universe

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



65.6920, 0.3292, 0.3080



70.1304, 0.3333, 0.3034



64.6886, 0.3444, 0.3291



15.8906, 0.3215, 0.3173



10.9097, 0.4959, 0.2505



0.9277, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 80.5486, 0.2989, 0.3510 looks on a white background.

Color Contrast Check

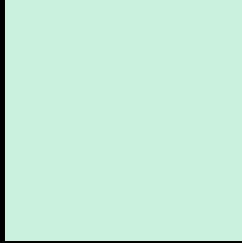
Large Text (above 18pt) WCAG AA × Fail

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 80.5486, 0.2989, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

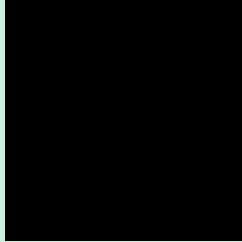
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

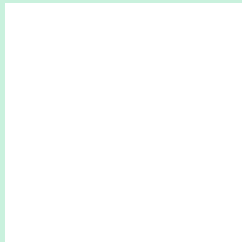
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5486, 0.2989, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 80.5486, 0.2989, 0.3510.

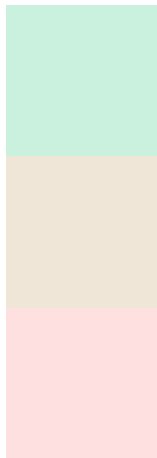


This preview shows how white text looks on a background with the Yxy color 80.5486, 0.2989, 0.3510.

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

80.5486, 0.2989, 0.3510

Protanopia

79.8506, 0.3287, 0.3446

Deuteranopia

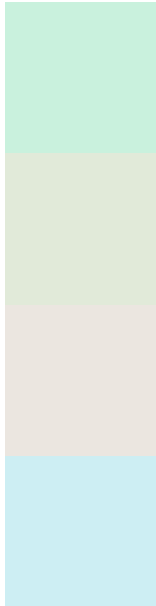
80.0076, 0.3341, 0.3281



Tritanopia

80.4763, 0.2832, 0.3089

Trichromacy



Original Color

80.5486, 0.2989, 0.3510

Protanomaly

79.8629, 0.3173, 0.3471

Deuteranomaly

79.6376, 0.3200, 0.3353

Tritanomaly

80.5993, 0.2888, 0.3236

Monochromacy



Original Color

80.5486, 0.2989, 0.3510

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.0549, 0.3076, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5486, 0.2989, 0.3510 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, 241, 221)` looks like.

```
.text, #text, p{  
    color:rgb(201, 241, 221)  
}
```

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, 241, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 241, 221) }
```

Border

The CSS property to change the border of an element to Yxy 80.5486, 0.2989, 0.3510 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, 241, 221) }
```

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

```
.border{ border-color:rgb(201, 241, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 241, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 241, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 241, 221);  
box-shadow:4px 4px 4px 4px rgb(201, 241,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5486, 0.2989, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 241, 221) }
```

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

```
.background{ background-color: rgb(201,  
241, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor