

Converting Colors

$Yxy(80.7018, 0.2956, 0.3516)$

Have a look what the booklet for
Yxy(80.7018, 0.2956, 0.3516)
contains.

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Color

Yxy(80.5140, 0.2953, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	C4F2DE
RGB	196, 242, 222
RGB Percent	77%, 95%, 87%
CMY	0.2311, 0.0510, 0.1294
CMYK	0.19, 0.00, 0.08, 0.05
HSL	154°, 64%, 86%
HSV	154°, 19%, 95%
XYZ	67.7180, 80.5140, 81.0873
YIQ	225.9660, -20.9960, -15.9720

Conversions

Conversions Part 2

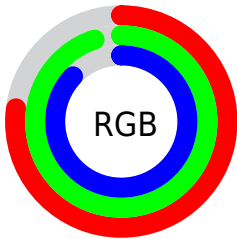
Format	Color
R_{YB}	196, 225, 242
Decimal	12907230
CIE _{Lab}	91.91, -18.58, 4.78
CIE _{LCh}	92, 19.182, 165.584
Yxy	80.5140, 0.2953, 0.3511
Android (android.graphics.Color)	4291097310 (0xFFC4F2DE)
YUV	225.9660, -1.9552, -26.2802
Hunter-Lab	89.7296, -22.3147, 9.2312

Details

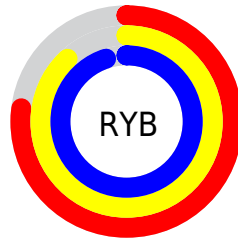
The Yxy color **80.5140, 0.2953, 0.3511** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.3507, 0.3343, 0.3079**, and the grayscale version is **76.0656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **43.6586, 0.2915, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **76.9810, 0.2868, 0.3646**, and if you desaturate by 10%, it is **84.6124, 0.3044, 0.3389**.

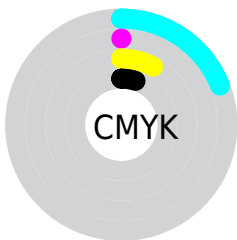
Distribution



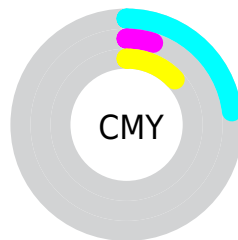
- Red (77%)
- Green (95%)
- Blue (87%)



- Red (77%)
- Yellow (88%)
- Blue (95%)



- Cyan (19%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)





- Cyan (23%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5140, 0.2953, 0.3511 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 80.5140, 0.2953, 0.3511 by changing the saturation by 10% instead.


 80.5140, 0.2953,
0.3511

 80.5140, 0.2953,
0.3511


496.6634, 0.3033,
0.3409

 60.1414, 0.2935,
0.3534


134.0881, 0.2981,
0.3476

 43.5326, 0.2913,
0.3563


168.0585, 0.2991,
0.3462

 30.3032, 0.2884,
0.3600


207.3302, 0.3001,
0.3450

 20.0689, 0.2848,
0.3647

252.2877, 0.3009,
0.3440

 12.4451, 0.2798,
0.3712

303.3154, 0.3016,
0.3431

 7.0476, 0.2727,
0.3807


360.7976, 0.3022,


 3.4919, 0.2617,


0.3423


425.1188, 0.3028,
0.3415


0.3954


 1.3936, 0.2423,
0.4219

 0.2120, 0.0000,
1.0000


 80.5140, 0.2953,
0.3511


 80.5140, 0.2953,
0.3511


 76.9810, 0.2868,
0.3646


 84.6124, 0.3044,
0.3389

 73.9777, 0.2791,
0.3793

 89.2900, 0.3137,
0.3279

 71.4796, 0.2726,
0.3950

 91.8864, 0.3141,
0.3179

 69.4564, 0.2676,
0.4116

 91.9764, 0.3133,
0.3165

■ 67.8743, 0.2643,
0.4287

■ 66.6951, 0.2631,
0.4459

■ 65.8734, 0.2639,
0.4629

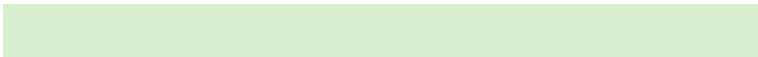
■ 65.3414, 0.2666,
0.4792

■ 65.2942, 0.2669,
0.4809

Harmonies

Analogous

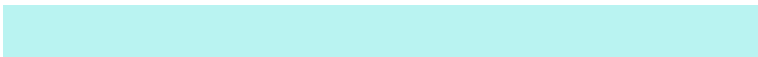
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5140, 0.3173, 0.3651



80.5140, 0.2953, 0.3511



80.5140, 0.2784, 0.3307

Triad

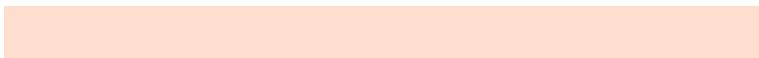
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5140, 0.2953, 0.3511



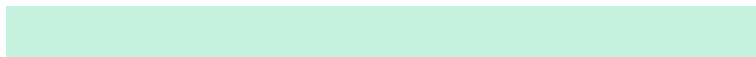
80.5140, 0.2865, 0.2916



80.5140, 0.3569, 0.3447

Complementary

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



80.5140, 0.2953, 0.3511



63.3507, 0.3343, 0.3079

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.



80.5140, 0.3481, 0.3258



80.5140, 0.2953, 0.3511



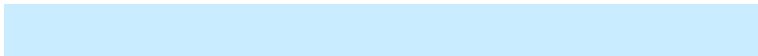
80.5140, 0.3069, 0.2960

Square

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



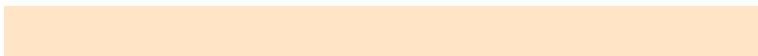
80.5140, 0.2953, 0.3511



80.5140, 0.2734, 0.2967



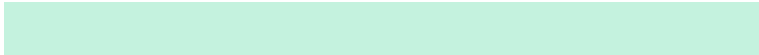
80.5140, 0.3295, 0.3083



80.5140, 0.3533, 0.3605

Rectangle

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



80.5140, 0.2953, 0.3511



80.5140, 0.2720, 0.3170



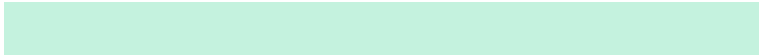
80.5140, 0.3295, 0.3083



80.5140, 0.3553, 0.3386

Sweetspot

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



80.5174, 0.2953, 0.3511



96.7915, 0.3071, 0.3355



82.1970, 0.3239, 0.3790



20.6457, 0.3065, 0.3363



0.0000, 0.0000, 0.0000



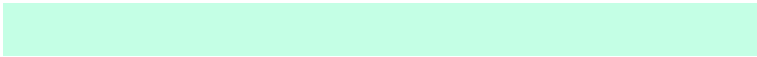
21.4041, 0.3127, 0.3290

Same Dimension

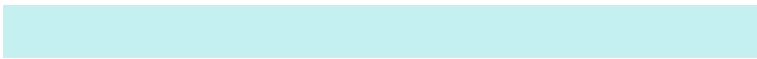
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5174, 0.2953, 0.3511



88.9869, 0.2917, 0.3565



80.2949, 0.2841, 0.3264



17.8060, 0.3039, 0.3395



35.1089, 0.2662, 0.4782



2.9407, 0.2602, 0.4566

Inverse Universe

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



63.3507, 0.3343, 0.3079



66.1647, 0.3401, 0.3031



63.4233, 0.3496, 0.3316



15.8731, 0.3225, 0.3188



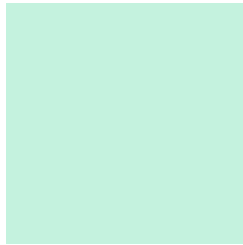
10.7184, 0.5232, 0.2656



0.9113, 0.4901, 0.2474

Previews

White Background



This preview shows how the Yxy color 80.5140, 0.2953, 0.3511 looks on a white background.

Color Contrast Check

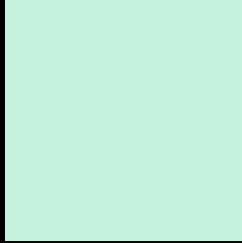
Large Text (above 18pt) WCAG AA × Fail

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 80.5140, 0.2953, 0.3511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

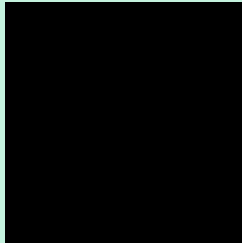
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

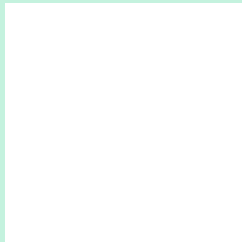
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5140, 0.2953, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 80.5140, 0.2953, 0.3511.

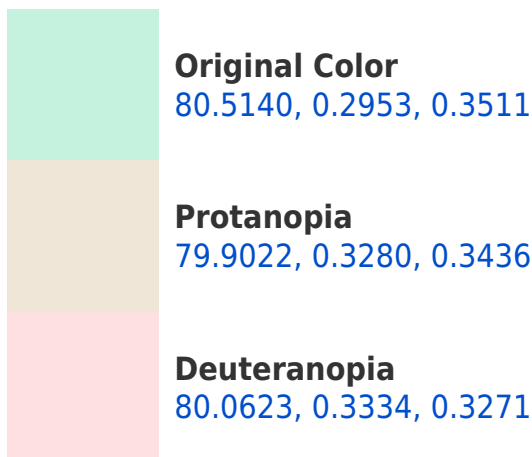


This preview shows how white text looks on a background with the Yxy color 80.5140, 0.2953, 0.3511.

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

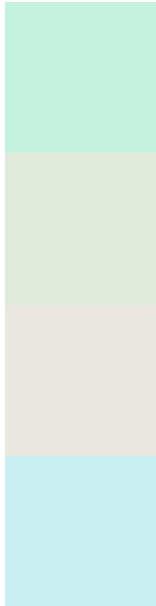




Tritanopia

80.6257, 0.2815, 0.3099

Trichromacy



Original Color

80.5140, 0.2953, 0.3511

Protanomaly

79.5956, 0.3153, 0.3461

Deuteranomaly

80.0805, 0.3186, 0.3353

Tritanomaly

80.6216, 0.2864, 0.3246

Monochromacy



Original Color

80.5140, 0.2953, 0.3511

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.5965, 0.3056, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5140, 0.2953, 0.3511 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(196, 242, 222)` looks like.

```
.text, #text, p{  
    color:rgb(196, 242, 222)  
}
```

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(196, 242, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 242, 222) }
```

Border

The CSS property to change the border of an element to Yxy 80.5140, 0.2953, 0.3511 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(196, 242, 222) }
```

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

```
.border{ border-color:rgb(196, 242, 222) }
```

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

Here you see how a box with a 4 pixel rgb(196, 242, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 242, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 242, 222);  
box-shadow:4px 4px 4px 4px rgb(196, 242,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5140, 0.2953, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 242, 222) }
```

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

```
.background{ background-color: rgb(196,  
242, 222) }
```

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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