

Converting Colors

$Y_{xy}(81.2351, 0.2887, 0.3639)$

Have a look what the booklet for
Yxy(81.2351, 0.2887, 0.3639)
contains.

Yxy(81.0631, 0.2887, 0.3643)	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(81.0631, 0.2887, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	B3F7D8
RGB	179, 247, 216
RGB Percent	70%, 97%, 85%
CMY	0.2981, 0.0313, 0.1530
CMYK	0.28, 0.00, 0.13, 0.03
HSL	153°, 81%, 84%
HSV	153°, 28%, 97%
XYZ	64.2408, 81.0631, 77.2135
YIQ	223.1340, -30.5770, -24.0570

Conversions

Conversions Part 2

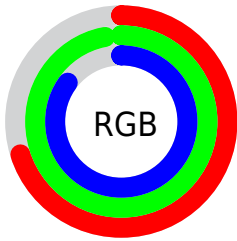
Format	Color
R _Y B	179, 223, 247
Decimal	11794392
CIE Lab	92.16, -27.41, 8.13
CIE LCh	92, 28.592, 163.477
Yxy	81.0631, 0.2887, 0.3643
Android (android.graphics.Color)	4289984472 (0xFFB3F7D8)
YUV	223.1340, -3.5171, -38.7055
Hunter-Lab	90.0350, -30.2000, 12.1778

Details

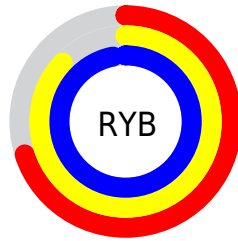
The Yxy color **81.0631, 0.2887, 0.3643** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.6636, 0.3458, 0.2963**, and the grayscale version is **73.9325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **43.6852, 0.2828, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **77.8196, 0.2811, 0.3796**, and if you desaturate by 10%, it is **84.8804, 0.2971, 0.3503**.

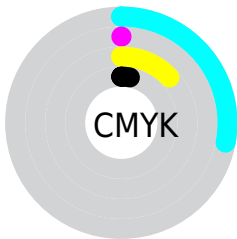
Distribution



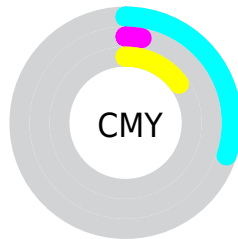
- Red (70%)
- Green (97%)
- Blue (85%)



- Red (70%)
- Yellow (87%)
- Blue (97%)



- Cyan (28%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)





- Cyan (30%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0631, 0.2887, 0.3643 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 81.0631, 0.2887, 0.3643 by changing the saturation by 10% instead.

 81.0631, 0.2887,
0.3643

 81.0631, 0.2887,
0.3643


498.5084, 0.2998,
0.3479

 60.5936, 0.2862,
0.3681


 134.8594, 0.2925,
0.3586

 43.8972, 0.2830,
0.3728


168.9549, 0.2940,
0.3563

 30.5897, 0.2791,
0.3788


208.3612, 0.2953,
0.3544

 20.2866, 0.2739,
0.3866

253.4627, 0.2965,
0.3528

 12.6036, 0.2669,
0.3974

304.6438, 0.2974,
0.3513

 7.1561, 0.2567,
0.4131

362.2888, 0.2983,

 3.5599, 0.2409,

0.3500

0.4380

426.7822, 0.2991,
0.3489

■ 1.4306, 0.2077,
0.4869

■ 0.2391, 0.0000,
1.0000

■ 81.0631, 0.2887,
0.3643

■ 81.0631, 0.2887,
0.3643

■ 77.8196, 0.2811,
0.3796

■ 84.8804, 0.2971,
0.3503

■ 75.1109, 0.2746,
0.3960


■ 89.2883, 0.3059,
0.3377


■ 72.9087, 0.2695,
0.4134

■ 94.3151, 0.3150,
0.3263

■ 71.1781, 0.2662,
0.4313

■ 95.0076, 0.3131,
0.3214

 69.8793, 0.2649,
0.4495

 68.9658, 0.2656,
0.4673

 68.3764, 0.2682,
0.4844

 68.2585, 0.2690,
0.4885

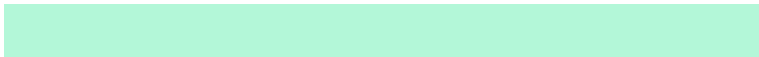
Harmonies

Analogous

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



81.0631, 0.3213, 0.3847



81.0631, 0.2887, 0.3643



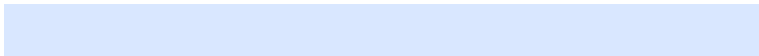
81.0631, 0.2634, 0.3333

Triad

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



81.0631, 0.2887, 0.3643



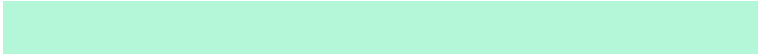
81.0631, 0.2722, 0.2744



81.0631, 0.3784, 0.3494

Complementary

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



81.0631, 0.2887, 0.3643



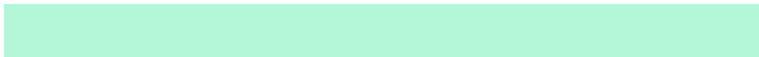
56.6636, 0.3458, 0.2963

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.



81.0631, 0.3640, 0.3218



81.0631, 0.2887, 0.3643



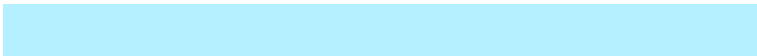
81.0631, 0.3014, 0.2801

Square

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



81.0631, 0.2887, 0.3643



81.0631, 0.2544, 0.2821



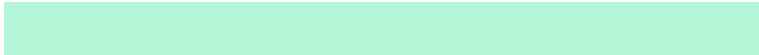
81.0631, 0.3352, 0.2971



81.0631, 0.3740, 0.3736

Rectangle

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



81.0631, 0.2887, 0.3643



81.0631, 0.2536, 0.3124



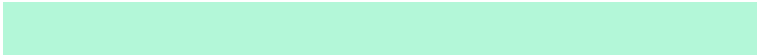
81.0631, 0.3352, 0.2971



81.0631, 0.3756, 0.3402

Sweetspot

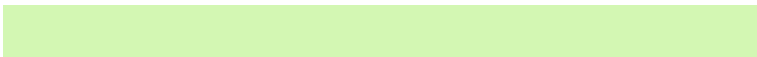
The Sweet Spot groups the original color and five complimentary colors.



81.0664, 0.2887, 0.3643



95.7493, 0.3055, 0.3382



83.5907, 0.3295, 0.4039



20.3335, 0.3041, 0.3401



0.0000, 0.0000, 0.0000



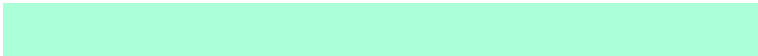
21.4041, 0.3127, 0.3290

Same Dimension

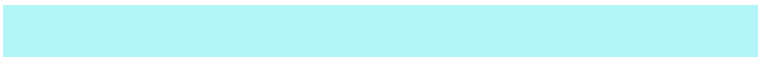
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0664, 0.2887, 0.3643



85.1510, 0.2844, 0.3726



81.4470, 0.2723, 0.3264



18.6228, 0.3042, 0.3400



36.1254, 0.2683, 0.4857



3.1958, 0.2623, 0.4644

Inverse Universe

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



56.6636, 0.3458, 0.2963



54.9441, 0.3547, 0.2895



56.1803, 0.3723, 0.3316



16.6082, 0.3222, 0.3183



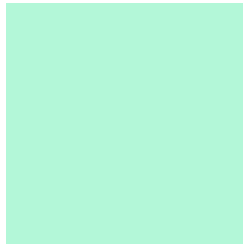
11.1123, 0.5146, 0.2609



0.9971, 0.4842, 0.2441

Previews

White Background



This preview shows how the Yxy color 81.0631, 0.2887, 0.3643 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 81.0631, 0.2887, 0.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

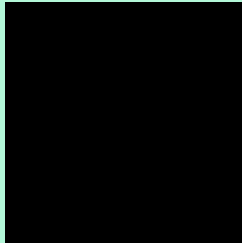
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

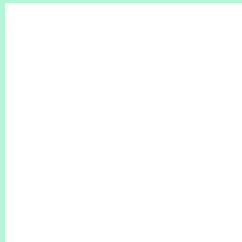
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0631, 0.2887, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 81.0631, 0.2887, 0.3643.

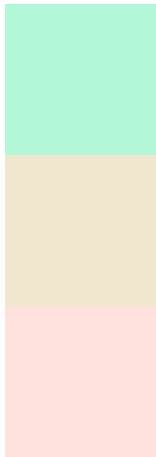


This preview shows how white text looks on a background with the Yxy color 81.0631, 0.2887, 0.3643.

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

81.0631, 0.2887, 0.3643

Protanopia

80.3576, 0.3353, 0.3540

Deuteranopia

80.3844, 0.3361, 0.3321



Tritanopia

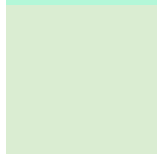
80.8233, 0.2776, 0.3118

Trichromacy



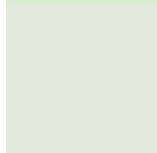
Original Color

81.0631, 0.2887, 0.3643



Protanomaly

80.1269, 0.3167, 0.3582



Deuteranomaly

79.7760, 0.3168, 0.3428



Tritanomaly

80.8023, 0.2812, 0.3300

Monochromacy



Original Color

81.0631, 0.2887, 0.3643



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.1459, 0.3034, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0631, 0.2887, 0.3643 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(179, 247, 216)` looks like.

```
.text, #text, p{  
    color:rgb(179, 247, 216)  
}
```

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(179, 247, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 247, 216) }
```

Border

The CSS property to change the border of an element to Yxy 81.0631, 0.2887, 0.3643 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(179, 247, 216) }
```

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

```
.border{ border-color:rgb(179, 247, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 247, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 247, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 247, 216);  
box-shadow:4px 4px 4px 4px rgb(179, 247,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0631, 0.2887, 0.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 247, 216) }
```

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

```
.background{ background-color: rgb(179,  
247, 216) }
```

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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