

Converting Colors

$Y_{xy}(100.0000, 0.2890, 0.3787)$

Have a look what the booklet for
Yxy(100.0000, 0.2890, 0.3787)
contains.

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Color

Yxy(87.6308, 0.2878, 0.3597)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFE3
RGB	187, 255, 227
RGB Percent	73%, 100%, 89%
CMY	0.2667, 0.0000, 0.1099
CMYK	0.27, 0.00, 0.11, 0.00
HSL	155°, 100%, 87%
HSV	155°, 27%, 100%
XYZ	70.1144, 87.6308, 85.8767
YIQ	231.4760, -31.5400, -23.1240

Conversions

Conversions Part 2

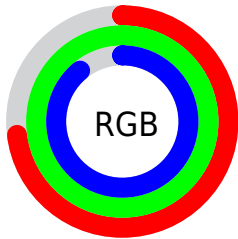
Format	Color
RYB	187, 230, 255
Decimal	12320739
CIELab	95.01, -26.69, 6.60
CIELCh	95, 27.496, 166.106
Yxy	87.6308, 0.2878, 0.3597
Android (android.graphics.Color)	4290510819 (0xFFBBFFE3)
YUV	231.4760, -2.2067, -39.0055
Hunter-Lab	93.6113, -30.1243, 11.1367

Details

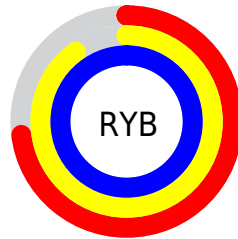
The Yxy color **87.6308, 0.2878, 0.3597** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.7041, 0.3470, 0.3004**, and the grayscale version is **80.3143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **48.2723, 0.2819, 0.3662** is the 20% darker color. If you saturate the color by 10%, you get **84.1307, 0.2796, 0.3733**, and if you desaturate by 10%, it is **91.7332, 0.2968, 0.3472**.

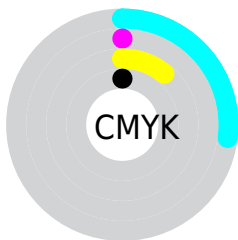
Distribution



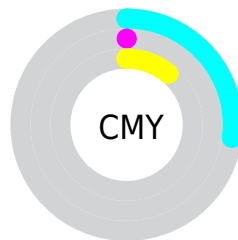
- Red (73%)
- Green (100%)
- Blue (89%)



- Red (73%)
- Yellow (90%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6308, 0.2878, 0.3597 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 87.6308, 0.2878, 0.3597 by changing the saturation by 10% instead.

 87.6308, 0.2878,
0.3597

 87.6308, 0.2878,
0.3597

520.2934, 0.2991,
0.3457

 66.0173, 0.2853,
0.3629


 144.0430, 0.2917,
0.3549

 48.2865, 0.2822,
0.3668


179.6106, 0.2932,
0.3530

 34.0538, 0.2783,
0.3717


220.5984, 0.2945,
0.3513

 22.9349, 0.2733,
0.3781

267.3907, 0.2957,
0.3499

 14.5455, 0.2666,
0.3867

320.3720, 0.2967,
0.3486

 8.5010, 0.2572,
0.3990

379.9266, 0.2976,

 4.4172, 0.2430,

0.3475

0.4179

446.4389, 0.2984,
0.3465

■ 1.9096, 0.2194,
0.4504

■ 0.5541, 0.0000,
0.7963

■ 87.6308, 0.2878,
0.3597

■ 87.6308, 0.2878,
0.3597

■ 84.1307, 0.2796,
0.3733

■ 91.7332, 0.2968,
0.3472


■ 81.2083, 0.2726,
0.3880


■ 96.4726, 0.3062,
0.3359


■ 78.8277, 0.2670,
0.4035


■ 100.0000, 0.3127,
0.3290

■ 76.9519, 0.2631,
0.4196

 75.5385, 0.2613,
0.4359

 74.5383, 0.2615,
0.4521

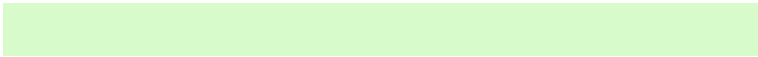
 73.8892, 0.2637,
0.4678

 73.7201, 0.2647,
0.4730

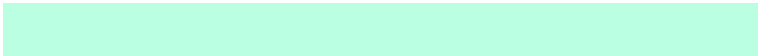
Harmonies

Analogous

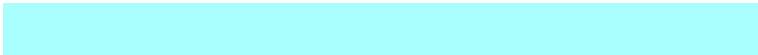
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6308, 0.3181, 0.3799



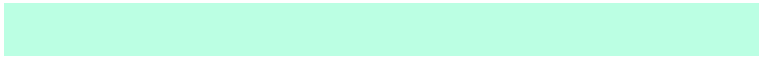
87.6308, 0.2878, 0.3597



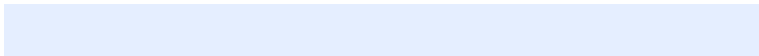
87.6308, 0.2649, 0.3305

Triad

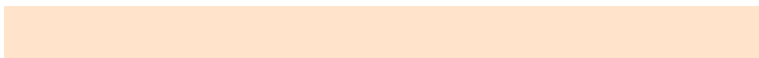
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6308, 0.2878, 0.3597



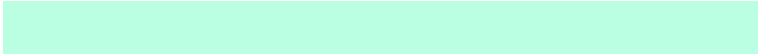
87.6308, 0.2767, 0.2777



87.6308, 0.3746, 0.3505

Complementary

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



87.6308, 0.2878, 0.3597



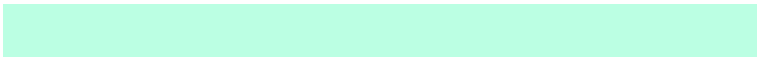
61.7041, 0.3470, 0.3004

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.



87.6308, 0.3625, 0.3246



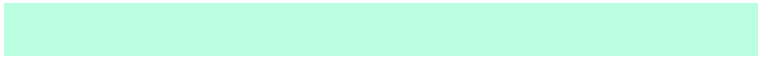
87.6308, 0.2878, 0.3597



87.6308, 0.3049, 0.2840

Square

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



87.6308, 0.2878, 0.3597



87.6308, 0.2588, 0.2839



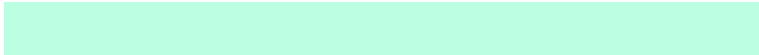
87.6308, 0.3365, 0.3008



87.6308, 0.3690, 0.3725

Rectangle

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



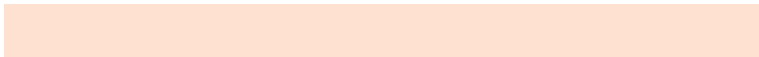
87.6308, 0.2878, 0.3597



87.6308, 0.2565, 0.3112



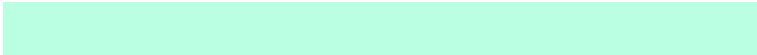
87.6308, 0.3365, 0.3008



87.6308, 0.3725, 0.3420

Sweetspot

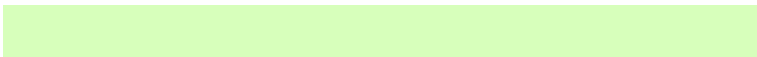
The Sweet Spot groups the original color and five complimentary colors.



87.6288, 0.2878, 0.3597



95.8046, 0.3050, 0.3373



89.6044, 0.3268, 0.4020



20.3474, 0.3035, 0.3390



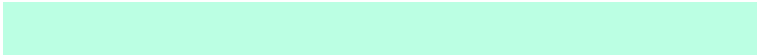
0.0000, 0.0000, 0.0000



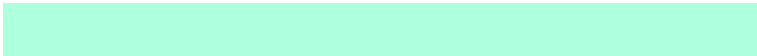
21.4041, 0.3127, 0.3290

Same Dimension

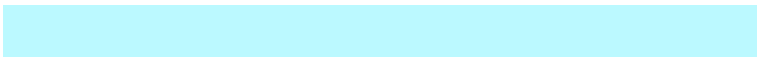
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6288, 0.2878, 0.3597



85.6907, 0.2833, 0.3668



85.7410, 0.2730, 0.3228



20.3474, 0.3035, 0.3390



38.5508, 0.2640, 0.4704



3.7753, 0.2591, 0.4526

Inverse Universe

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



61.7041, 0.3470, 0.3004



55.8067, 0.3562, 0.2944



62.8369, 0.3690, 0.3351



18.1112, 0.3229, 0.3192



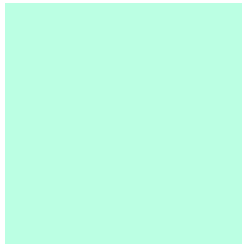
11.6703, 0.5335, 0.2713



1.1574, 0.5038, 0.2549

Previews

White Background



This preview shows how the Yxy color 87.6308, 0.2878, 0.3597 looks on a white background.

Color Contrast Check

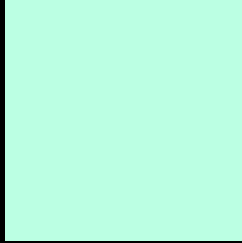
Large Text (above 18pt) WCAG AA × Fail

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 87.6308, 0.2878, 0.3597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

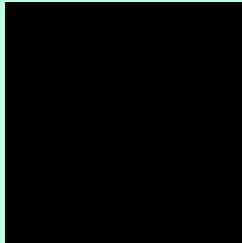
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

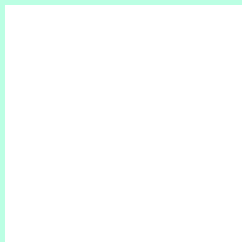
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6308, 0.2878, 0.3597

Background



This preview shows how black text looks on a background with the Yxy color 87.6308, 0.2878, 0.3597.

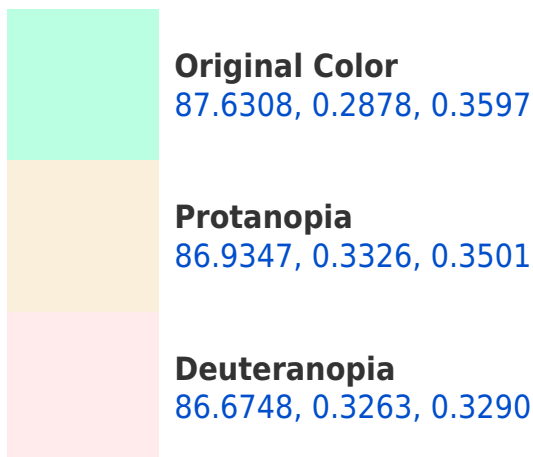


This preview shows how white text looks on a background with the Yxy color 87.6308, 0.2878, 0.3597.

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

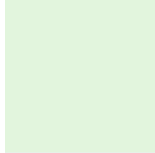
86.9814, 0.2908, 0.3177

Trichromacy



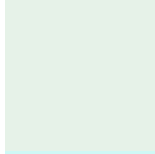
Original Color

87.6308, 0.2878, 0.3597



Protanomaly

86.6940, 0.3148, 0.3541



Deuteranomaly

86.1535, 0.3109, 0.3393



Tritanomaly

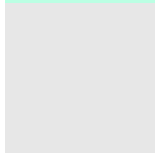
86.9928, 0.2893, 0.3321

Monochromacy



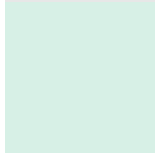
Original Color

87.6308, 0.2878, 0.3597



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4804, 0.3025, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6308, 0.2878, 0.3597 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(187, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 227)  
}
```

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(187, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 87.6308, 0.2878, 0.3597 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(187, 255, 227) }
```

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

```
.border{ border-color:rgb(187, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6308, 0.2878, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 227) }
```

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

```
.background{ background-color: rgb(187,  
255, 227) }
```

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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