

Converting Colors

$Y_{xy}(100.0000, 0.2894, 0.3806)$

Have a look what the booklet for
Yxy(100.0000, 0.2894, 0.3806)
contains.

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Color

Yxy(87.5210, 0.2888, 0.3619)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFE1
RGB	187, 255, 225
RGB Percent	73%, 100%, 88%
CMY	0.2668, 0.0000, 0.1175
CMYK	0.27, 0.00, 0.12, 0.00
HSL	154°, 100%, 87%
HSV	154°, 27%, 100%
XYZ	69.8427, 87.5210, 84.4738
YIQ	231.2480, -30.8980, -23.7460

Conversions

Conversions Part 2

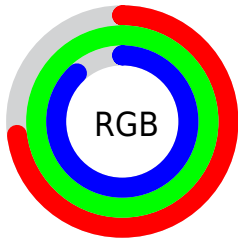
Format	Color
RYB	187, 231, 255
Decimal	12320737
CIELab	94.96, -27.08, 7.53
CIELCh	95, 28.105, 164.450
Yxy	87.5210, 0.2888, 0.3619
Android (android.graphics.Color)	4290510817 (0xFFBBFFE1)
YUV	231.2480, -3.0803, -38.8055
Hunter-Lab	93.5527, -30.4562, 11.9507

Details

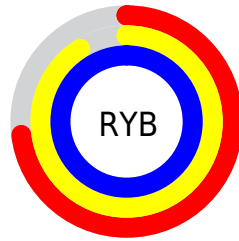
The Yxy color **87.5210, 0.2888, 0.3619** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.7946, 0.3454, 0.2984**, and the grayscale version is **80.1420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **48.1960, 0.2832, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **83.9915, 0.2809, 0.3765**, and if you desaturate by 10%, it is **91.6591, 0.2974, 0.3485**.

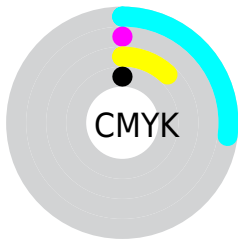
Distribution



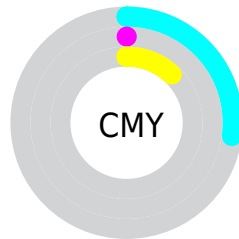
- Red (73%)
- Green (100%)
- Blue (88%)



- Red (73%)
- Yellow (91%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5210, 0.2888, 0.3619 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 87.5210, 0.2888, 0.3619 by changing the saturation by 10% instead.


 87.5210, 0.2888,
0.3619

 87.5210, 0.2888,
0.3619


519.9333, 0.2997,
0.3468

 65.9264, 0.2864,
0.3653

 143.8901, 0.2925,
0.3567

 48.2127, 0.2834,
0.3695


179.4334, 0.2940,
0.3547

 33.9954, 0.2796,
0.3748


220.3952, 0.2953,
0.3529

 22.8900, 0.2748,
0.3817

267.1597, 0.2964,
0.3514

 14.5123, 0.2682,
0.3911

320.1113, 0.2973,
0.3500

 8.4779, 0.2591,
0.4044

379.6346, 0.2982,

 4.4022, 0.2451,

0.3488

0.4250

446.1138, 0.2990,
0.3478

■ 1.9010, 0.2217,
0.4606

■ 0.5490, 0.0000,
0.8855

■ 87.5210, 0.2888,
0.3619

■ 87.5210, 0.2888,
0.3619

■ 83.9915, 0.2809,
0.3765

■ 91.6591, 0.2974,
0.3485

■ 81.0436, 0.2742,
0.3923


■ 96.4385, 0.3065,
0.3364

■ 78.6423, 0.2688,
0.4090

■ 100.0000, 0.3127,
0.3290

■ 76.7501, 0.2652,
0.4263

 75.3247, 0.2636,
0.4438

 74.3165, 0.2641,
0.4611

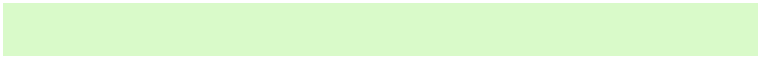
 73.6634, 0.2665,
0.4778

 73.4941, 0.2676,
0.4832

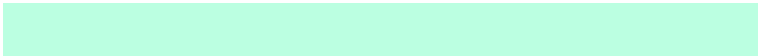
Harmonies

Analogous

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



87.5210, 0.3199, 0.3819



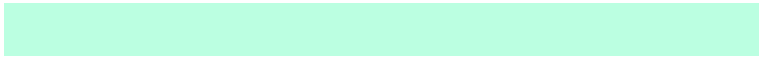
87.5210, 0.2888, 0.3619



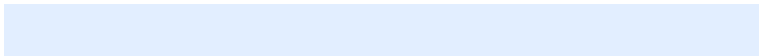
87.5210, 0.2648, 0.3322

Triad

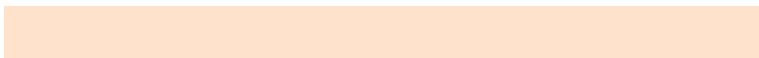
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5210, 0.2888, 0.3619



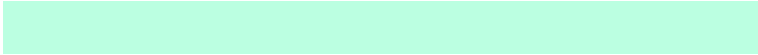
87.5210, 0.2746, 0.2766



87.5210, 0.3758, 0.3495

Complementary

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



87.5210, 0.2888, 0.3619



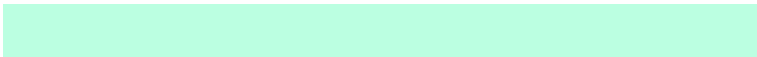
61.7946, 0.3454, 0.2984

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.



87.5210, 0.3625, 0.3230



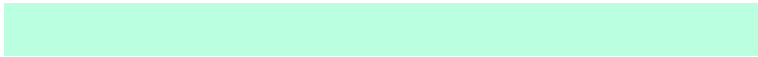
87.5210, 0.2888, 0.3619



87.5210, 0.3029, 0.2824

Square

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



87.5210, 0.2888, 0.3619



87.5210, 0.2570, 0.2836



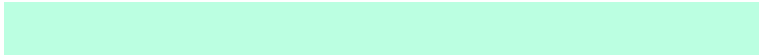
87.5210, 0.3353, 0.2991



87.5210, 0.3710, 0.3724

Rectangle

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



87.5210, 0.2888, 0.3619



87.5210, 0.2557, 0.3123



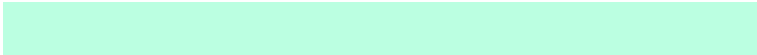
87.5210, 0.3353, 0.2991



87.5210, 0.3733, 0.3407

Sweetspot

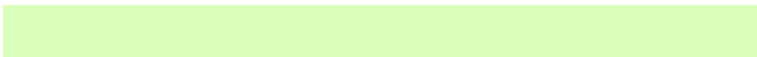
The Sweet Spot groups the original color and five complimentary colors.



87.5196, 0.2888, 0.3619



95.7690, 0.3053, 0.3379



89.9480, 0.3283, 0.4016



20.3384, 0.3039, 0.3397



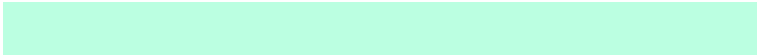
0.0000, 0.0000, 0.0000



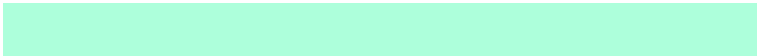
21.4041, 0.3127, 0.3290

Same Dimension

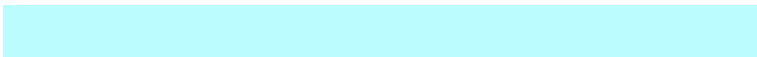
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5196, 0.2888, 0.3619



85.5677, 0.2845, 0.3695



87.1501, 0.2733, 0.3253



20.3384, 0.3039, 0.3397



38.4328, 0.2668, 0.4805



3.7641, 0.2616, 0.4616

Inverse Universe

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



61.7946, 0.3454, 0.2984



55.9209, 0.3541, 0.2920



61.8352, 0.3697, 0.3327



18.1200, 0.3225, 0.3186



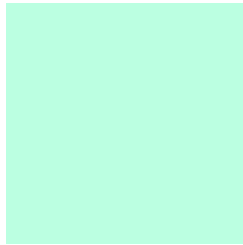
11.7524, 0.5217, 0.2647



1.1658, 0.4932, 0.2490

Previews

White Background



This preview shows how the Yxy color 87.5210, 0.2888, 0.3619 looks on a white background.

Color Contrast Check

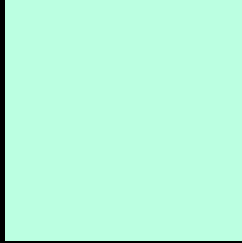
Large Text (above 18pt) WCAG AA × Fail

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 87.5210, 0.2888, 0.3619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

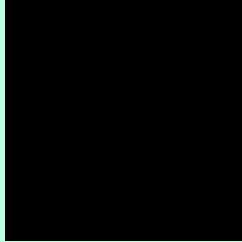
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

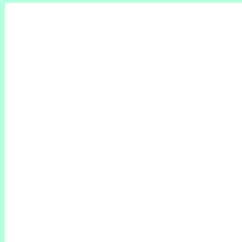
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5210, 0.2888, 0.3619

Background



This preview shows how black text looks on a background with the Yxy color 87.5210, 0.2888, 0.3619.

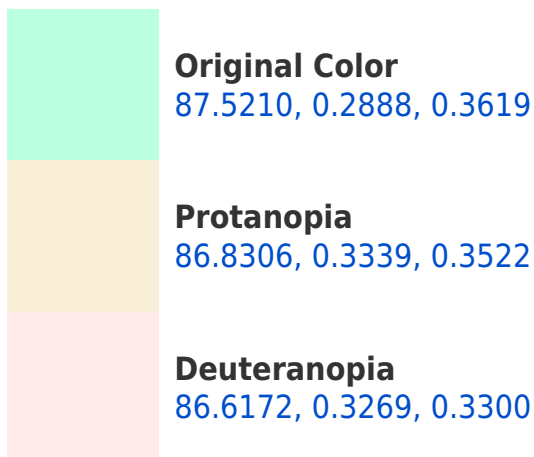


This preview shows how white text looks on a background with the Yxy color 87.5210, 0.2888, 0.3619.

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

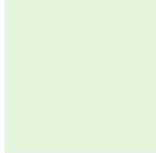
86.9814, 0.2908, 0.3177

Trichromacy



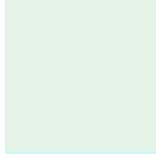
Original Color

87.5210, 0.2888, 0.3619



Protanomaly

86.5880, 0.3160, 0.3562



Deuteranomaly

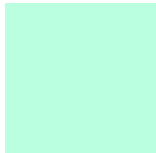
86.0968, 0.3115, 0.3403



Tritanomaly

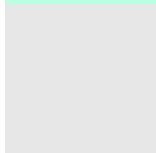
86.9319, 0.2898, 0.3331

Monochromacy



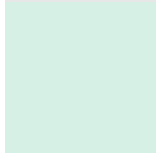
Original Color

87.5210, 0.2888, 0.3619



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4244, 0.3031, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5210, 0.2888, 0.3619 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 225) }
```

Border

The CSS property to change the border of an element to Yxy 87.5210, 0.2888, 0.3619 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, 225) }
```

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

```
.border{ border-color:rgb(187, 255, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5210, 0.2888, 0.3619 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, 225) }
```

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

```
.background{ background-color: rgb(187,  
255, 225) }
```

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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