

Converting Colors

$Y_{xy}(100.0000, 0.2892, 0.3732)$

Have a look what the booklet for
Yxy(100.0000, 0.2892, 0.3732)
contains.

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Color

Yxy(88.3659, 0.2879, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFE7
RGB	191, 255, 231
RGB Percent	75%, 100%, 91%
CMY	0.2511, 0.0000, 0.0941
CMYK	0.25, 0.00, 0.09, 0.00
HSL	158°, 100%, 87%
HSV	158°, 25%, 100%
XYZ	71.6635, 88.3659, 88.8886
YIQ	233.1280, -30.4400, -21.0320

Conversions

Conversions Part 2

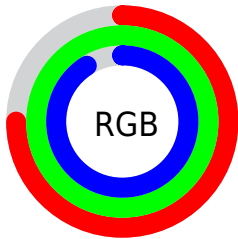
Format	Color
R _Y B	191, 230, 255
Decimal	12582887
CIE Lab	95.31, -24.72, 5.00
CIE LCh	95, 25.224, 168.565
Yxy	88.3659, 0.2879, 0.3550
Android (android.graphics.Color)	4290772967 (0xFFBFFFE7)
YUV	233.1280, -1.0491, -36.9463
Hunter-Lab	94.0031, -28.4256, 9.7380

Details

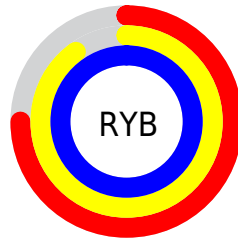
The Yxy color **88.3659, 0.2879, 0.3550** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4091, 0.3464, 0.3045**, and the grayscale version is **81.6036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **48.7176, 0.2826, 0.3615** is the 20% darker color. If you saturate the color by 10%, you get **84.8141, 0.2792, 0.3672**, and if you desaturate by 10%, it is **92.5144, 0.2974, 0.3438**.

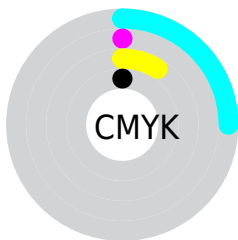
Distribution



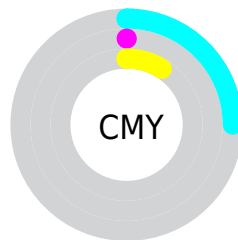
- Red (75%)
- Green (100%)
- Blue (91%)



- Red (75%)
- Yellow (90%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.3659, 0.2879, 0.3550 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 88.3659, 0.2879, 0.3550 by changing the saturation by 10% instead.


 88.3659, 0.2879,
0.3550

 88.3659, 0.2879,
0.3550

522.7007, 0.2991,
0.3432

 66.6261, 0.2854,
0.3577


 145.0665, 0.2917,
0.3509

 48.7809, 0.2824,
0.3609


180.7960, 0.2932,
0.3493

 34.4457, 0.2786,
0.3650


221.9577, 0.2945,
0.3480

 23.2362, 0.2737,
0.3703

268.9358, 0.2957,
0.3468

 14.7680, 0.2672,
0.3774

322.1148, 0.2967,
0.3457

 8.6567, 0.2581,
0.3875

381.8790, 0.2976,

 4.5180, 0.2445,

0.3448

0.4029

448.6128, 0.2984,
0.3439

1.9673, 0.2222,
0.4289

0.5884, 0.0000,
0.6691

88.3659, 0.2879,
0.3550

88.3659, 0.2879,
0.3550

84.8141, 0.2792,
0.3672

92.5144, 0.2974,
0.3438


81.8411, 0.2715,
0.3803

97.3001, 0.3075,
0.3338

79.4097, 0.2653,
0.3941


100.0000, 0.3127,
0.3290

77.4836, 0.2609,
0.4086

 76.0215, 0.2584,
0.4233

 74.9757, 0.2580,
0.4380

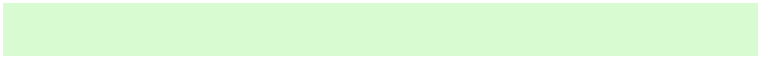
 74.2873, 0.2596,
0.4524

 74.0400, 0.2609,
0.4593

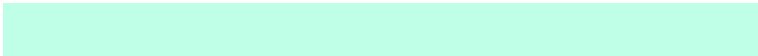
Harmonies

Analogous

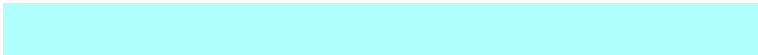
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3659, 0.3154, 0.3744



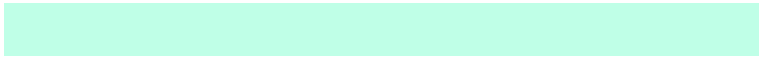
88.3659, 0.2879, 0.3550



88.3659, 0.2676, 0.3282

Triad

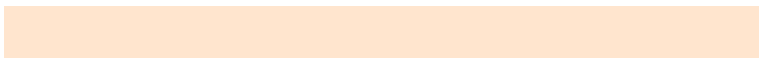
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.3659, 0.2879, 0.3550



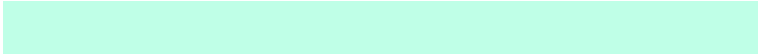
88.3659, 0.2816, 0.2819



88.3659, 0.3694, 0.3508

Complementary

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



88.3659, 0.2879, 0.3550



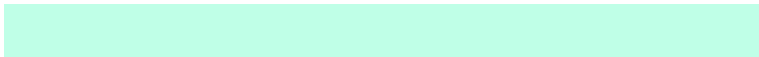
63.4091, 0.3464, 0.3045

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.



88.3659, 0.3597, 0.3271



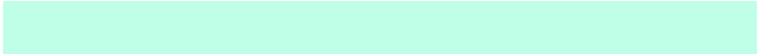
88.3659, 0.2879, 0.3550



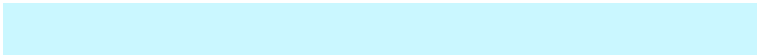
88.3659, 0.3080, 0.2885

Square

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



88.3659, 0.2879, 0.3550



88.3659, 0.2641, 0.2868



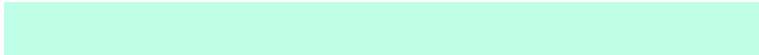
88.3659, 0.3368, 0.3048



88.3659, 0.3631, 0.3703

Rectangle

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



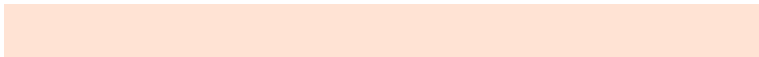
88.3659, 0.2879, 0.3550



88.3659, 0.2605, 0.3108



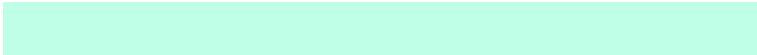
88.3659, 0.3368, 0.3048



88.3659, 0.3679, 0.3430

Sweetspot

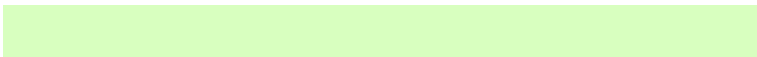
The Sweet Spot groups the original color and five complimentary colors.



88.3618, 0.2879, 0.3550



95.8517, 0.3045, 0.3366



89.8044, 0.3247, 0.3976



20.3593, 0.3030, 0.3381



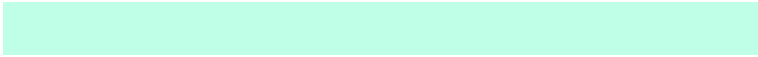
0.0000, 0.0000, 0.0000



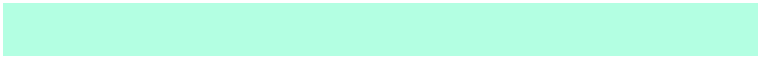
21.4041, 0.3127, 0.3290

Same Dimension

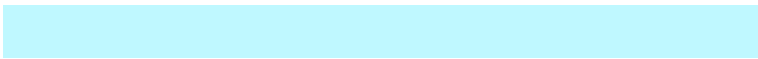
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3618, 0.2879, 0.3550



86.5542, 0.2835, 0.3608



85.1371, 0.2750, 0.3209



20.3593, 0.3030, 0.3381



38.7174, 0.2603, 0.4570



3.7910, 0.2557, 0.4407

Inverse Universe

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



63.4091, 0.3464, 0.3045



57.8127, 0.3551, 0.2995



65.6067, 0.3643, 0.3369



18.0996, 0.3235, 0.3201



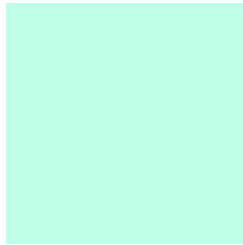
11.5720, 0.5487, 0.2796



1.1471, 0.5177, 0.2626

Previews

White Background



This preview shows how the Yxy color 88.3659, 0.2879, 0.3550 looks on a white background.

Color Contrast Check

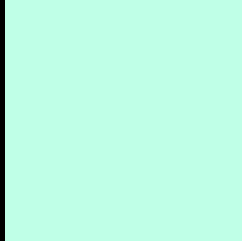
Large Text (above 18pt) WCAG AA × Fail

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 88.3659, 0.2879, 0.3550 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 88.3659, 0.2879, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 88.3659, 0.2879, 0.3550.

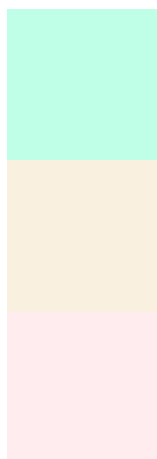


This preview shows how white text looks on a background with the Yxy color 88.3659, 0.2879, 0.3550.

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

88.3659, 0.2879, 0.3550

Protanopia

87.7876, 0.3293, 0.3460

Deuteranopia

87.4240, 0.3243, 0.3271



Tritanopia

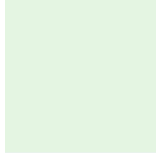
88.0544, 0.2926, 0.3188

Trichromacy



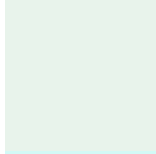
Original Color

88.3659, 0.2879, 0.3550



Protanomaly

87.2898, 0.3131, 0.3487



Deuteranomaly

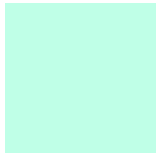
87.2551, 0.3104, 0.3372



Tritanomaly

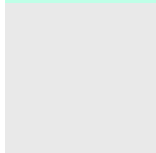
88.2541, 0.2911, 0.3321

Monochromacy



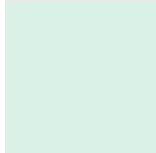
Original Color

88.3659, 0.2879, 0.3550



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6422, 0.3032, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.3659, 0.2879, 0.3550 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(191, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 231)  
}
```

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(191, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 88.3659, 0.2879, 0.3550 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(191, 255, 231) }
```

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

```
.border{ border-color:rgb(191, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 88.3659, 0.2879, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 231) }
```

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

```
.background{ background-color: rgb(191,  
255, 231) }
```

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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