

Converting Colors

$Yxy(88.1713, 0.2856, 0.3528)$

Have a look what the booklet for
Yxy(88.1713, 0.2856, 0.3528)
contains.

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Color

Yxy(88.2220, 0.2858, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	BDFFE9
RGB	189, 255, 233
RGB Percent	74%, 100%, 91%
CMY	0.2586, 0.0000, 0.0862
CMYK	0.26, 0.00, 0.09, 0.00
HSL	160°, 100%, 87%
HSV	160°, 26%, 100%
XYZ	71.4678, 88.2220, 90.3725
YIQ	232.7580, -32.2740, -20.8340

Conversions

Conversions Part 2

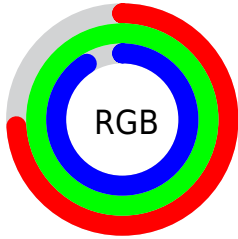
Format	Color
R_{YB}	189, 229, 255
Decimal	12451817
CIE _{Lab}	95.25, -24.88, 3.86
CIE _{LCh}	95, 25.175, 171.175
Yxy	88.2220, 0.2858, 0.3528
Android (android.graphics.Color)	4290641897 (0xFFBDFFE9)
YUV	232.7580, 0.1193, -38.3758
Hunter-Lab	93.9266, -28.5526, 8.7020

Details

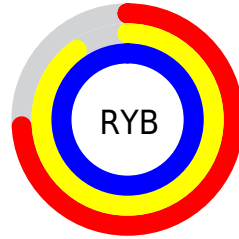
The Yxy color **88.2220, 0.2858, 0.3528** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3834, 0.3499, 0.3065**, and the grayscale version is **81.3231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **48.6308, 0.2800, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **84.7711, 0.2767, 0.3636**, and if you desaturate by 10%, it is **92.2769, 0.2958, 0.3429**.

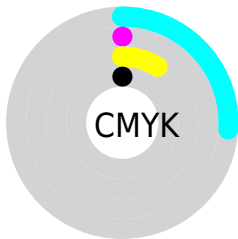
Distribution



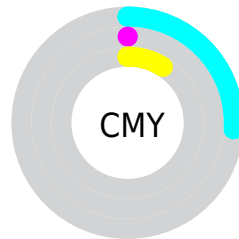
- Red (74%)
- Green (100%)
- Blue (91%)



- Red (74%)
- Yellow (90%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.2220, 0.2858, 0.3528 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 88.2220, 0.2858, 0.3528 by changing the saturation by 10% instead.

 88.2220, 0.2858,
0.3528

 88.2220, 0.2858,
0.3528


522.2300, 0.2979,
0.3420

 66.5069, 0.2831,
0.3552

 144.8662, 0.2899,
0.3491

 48.6840, 0.2798,
0.3582

180.5641, 0.2916,
0.3476

 34.3689, 0.2758,
0.3619


221.6918, 0.2930,
0.3464

 23.1771, 0.2705,
0.3667

268.6336, 0.2942,
0.3453

 14.7244, 0.2636,
0.3731

321.7739, 0.2953,
0.3443

 8.6262, 0.2539,
0.3822

381.4971, 0.2963,

 4.4982, 0.2394,

0.3435

0.3959

448.1877, 0.2971,
0.3427

■ 1.9559, 0.2159,
0.4191

■ 0.5817, 0.0000,
0.6155

■ 88.2220, 0.2858,
0.3528

■ 88.2220, 0.2858,
0.3528

■ 84.7711, 0.2767,
0.3636

■ 92.2769, 0.2958,
0.3429

■ 81.8828, 0.2687,
0.3752


■ 96.9529, 0.3064,
0.3339


■ 79.5279, 0.2623,
0.3874


■ 99.9944, 0.3127,
0.3290

■ 77.6696, 0.2576,
0.4002

 76.2666, 0.2550,
0.4131

 75.2706, 0.2544,
0.4261

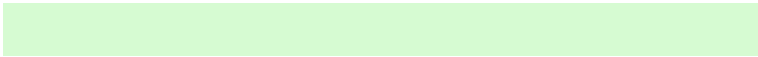
 74.6218, 0.2557,
0.4388

 74.4185, 0.2567,
0.4441

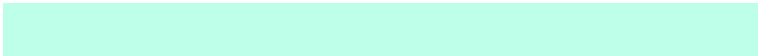
Harmonies

Analogous

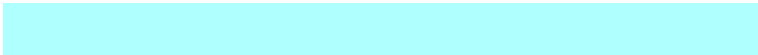
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2220, 0.3129, 0.3731



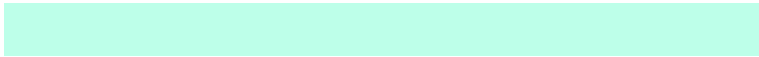
88.2220, 0.2858, 0.3528



88.2220, 0.2664, 0.3259

Triad

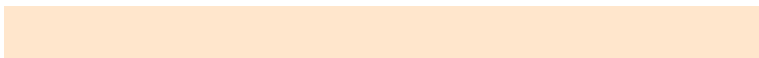
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2220, 0.2858, 0.3528



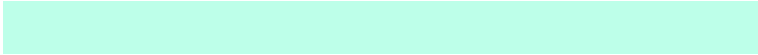
88.2220, 0.2837, 0.2821



88.2220, 0.3694, 0.3527

Complementary

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



88.2220, 0.2858, 0.3528



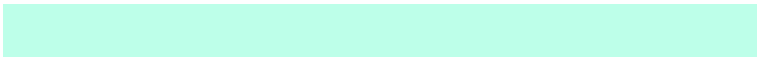
62.3834, 0.3499, 0.3065

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.



88.2220, 0.3611, 0.3291



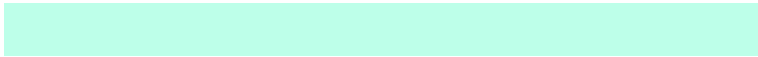
88.2220, 0.2858, 0.3528



88.2220, 0.3105, 0.2897

Square

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



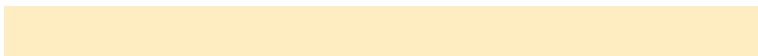
88.2220, 0.2858, 0.3528



88.2220, 0.2652, 0.2859



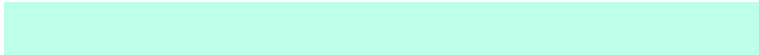
88.2220, 0.3391, 0.3065



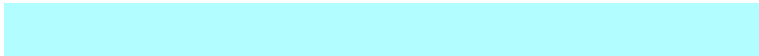
88.2220, 0.3618, 0.3716

Rectangle

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



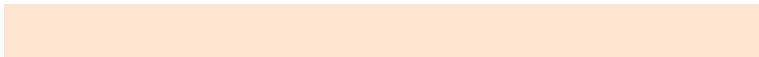
88.2220, 0.2858, 0.3528



88.2220, 0.2601, 0.3088



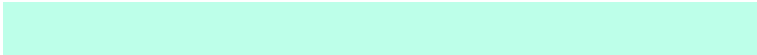
88.2220, 0.3391, 0.3065



88.2220, 0.3684, 0.3451

Sweetspot

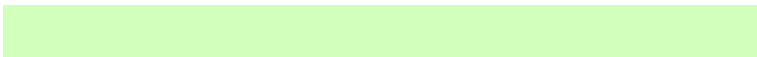
The Sweet Spot groups the original color and five complimentary colors.



88.2256, 0.2858, 0.3528



95.9042, 0.3041, 0.3357



89.0454, 0.3229, 0.4003



20.3725, 0.3025, 0.3370



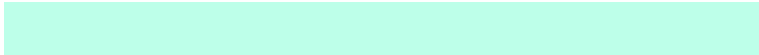
0.0000, 0.0000, 0.0000



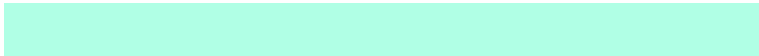
21.4041, 0.3127, 0.3290

Same Dimension

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



88.2256, 0.2858, 0.3528



86.3829, 0.2810, 0.3583



82.7488, 0.2736, 0.3171



20.3725, 0.3025, 0.3370



38.9172, 0.2561, 0.4420



3.8095, 0.2521, 0.4275

Inverse Universe

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



62.3834, 0.3499, 0.3065



56.5687, 0.3599, 0.3018



66.2659, 0.3654, 0.3406



18.0869, 0.3242, 0.3211



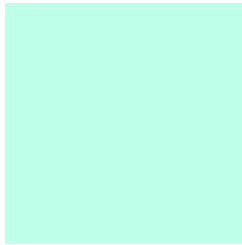
11.4757, 0.5648, 0.2885



1.1366, 0.5330, 0.2710

Previews

White Background



This preview shows how the Yxy color 88.2220, 0.2858, 0.3528 looks on a white background.

Color Contrast Check

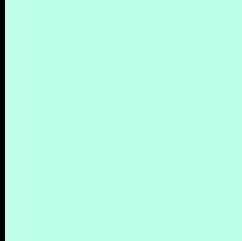
Large Text (above 18pt) WCAG AA × Fail

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 88.2220, 0.2858, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

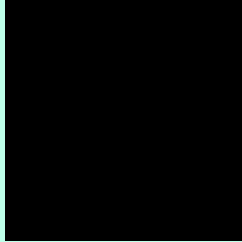
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

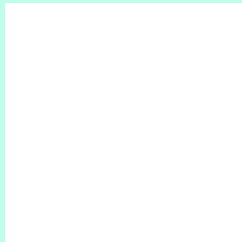
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.2220, 0.2858, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 88.2220, 0.2858, 0.3528.

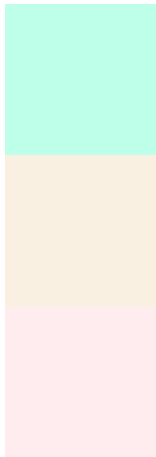


This preview shows how white text looks on a background with the Yxy color 88.2220, 0.2858, 0.3528.

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

88.2220, 0.2858, 0.3528

Protanopia

87.8962, 0.3281, 0.3440

Deuteranopia

87.4829, 0.3236, 0.3261



Tritanopia

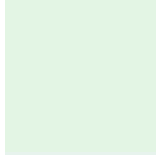
87.8970, 0.2920, 0.3188

Trichromacy



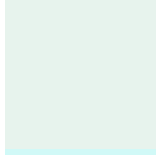
Original Color

88.2220, 0.2858, 0.3528



Protanomaly

87.2371, 0.3112, 0.3466



Deuteranomaly

87.2045, 0.3086, 0.3351



Tritanomaly

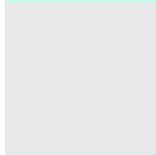
88.0221, 0.2894, 0.3310

Monochromacy



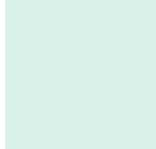
Original Color

88.2220, 0.2858, 0.3528



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.5455, 0.3020, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.2220, 0.2858, 0.3528 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(189, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 233)  
}
```

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(189, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 88.2220, 0.2858, 0.3528 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(189, 255, 233) }
```

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

```
.border{ border-color:rgb(189, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 88.2220, 0.2858, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 233) }
```

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

```
.background{ background-color: rgb(189,  
255, 233) }
```

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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