

Converting Colors

$Y_{xy}(113.2105, 0.2868, 0.3844)$

Have a look what the booklet for
Yxy(113.2105, 0.2868, 0.3844)
contains.

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Color

Yxy(88.5233, 0.2848, 0.3495)

Conversions

Conversions Part 1

Format	Color
Hex	BEFFEC
RGB	190, 255, 236
RGB Percent	75%, 100%, 93%
CMY	0.2548, 0.0000, 0.0746
CMYK	0.25, 0.00, 0.07, 0.00
HSL	162°, 100%, 87%
HSV	162°, 25%, 100%
XYZ	72.1357, 88.5233, 92.6265
YIQ	233.3990, -32.6410, -19.6890

Conversions

Conversions Part 2

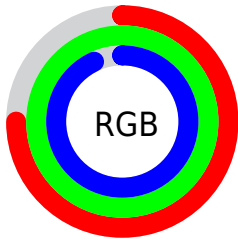
Format	Color
RYB	190, 228, 255
Decimal	12517356
CIELab	95.38, -24.01, 2.53
CIELCh	95, 24.143, 173.984
Yxy	88.5233, 0.2848, 0.3495
Android (android.graphics.Color)	4290707436 (0xFFBEFFEC)
YUV	233.3990, 1.2823, -38.0609
Hunter-Lab	94.0868, -27.7972, 7.4910

Details

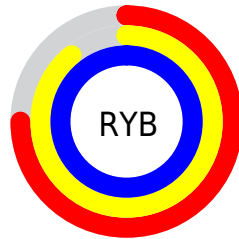
The Yxy color **88.5233, 0.2848, 0.3495** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6990, 0.3513, 0.3095**, and the grayscale version is **81.8118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **48.8344, 0.2788, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **85.0978, 0.2752, 0.3589**, and if you desaturate by 10%, it is **92.5433, 0.2953, 0.3408**.

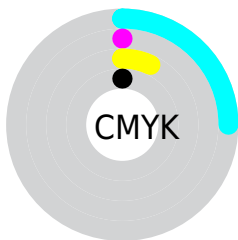
Distribution



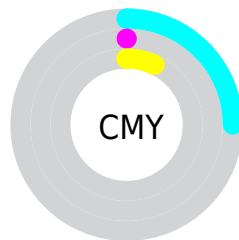
- Red (75%)
- Green (100%)
- Blue (93%)



- Red (75%)
- Yellow (89%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5233, 0.2848, 0.3495 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 88.5233, 0.2848, 0.3495 by changing the saturation by 10% instead.

 88.5233, 0.2848,
0.3495

 88.5233, 0.2848,
0.3495


523.2154, 0.2973,
0.3403

 66.7565, 0.2820,
0.3516

 145.2855, 0.2891,
0.3463

 48.8868, 0.2787,
0.3541


181.0497, 0.2907,
0.3451

 34.5297, 0.2745,
0.3572


222.2485, 0.2922,
0.3440

 23.3008, 0.2691,
0.3613

269.2663, 0.2935,
0.3431

 14.8158, 0.2620,
0.3667

322.4875, 0.2946,
0.3422

 8.6902, 0.2521,
0.3743

382.2965, 0.2956,

 4.5397, 0.2376,

0.3415

0.3857

449.0777, 0.2965,
0.3409

1.9798, 0.2139,
0.4045

0.5957, 0.0000,
0.5581

88.5233, 0.2848,
0.3495

88.5233, 0.2848,
0.3495

85.0978, 0.2752,
0.3589

92.5433, 0.2953,
0.3408


82.2338, 0.2668,
0.3689


97.1828, 0.3064,
0.3330

79.8993, 0.2600,
0.3796


100.0000, 0.3127,
0.3290

78.0581, 0.2549,
0.3906

 76.6690, 0.2518,
0.4018

 75.6843, 0.2508,
0.4131

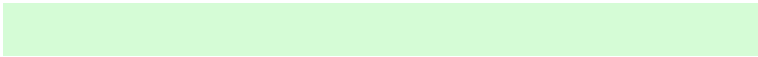
 75.0446, 0.2517,
0.4242

 74.8305, 0.2525,
0.4292

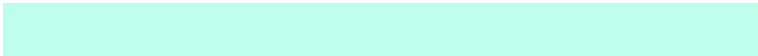
Harmonies

Analogous

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



88.5233, 0.3103, 0.3698



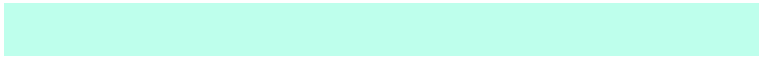
88.5233, 0.2848, 0.3495



88.5233, 0.2671, 0.3236

Triad

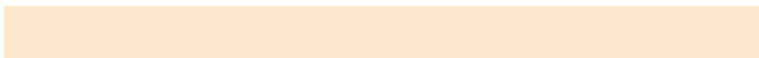
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5233, 0.2848, 0.3495



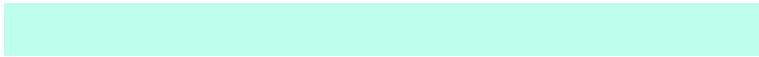
88.5233, 0.2870, 0.2842



88.5233, 0.3670, 0.3538

Complementary

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



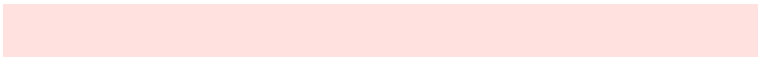
88.5233, 0.2848, 0.3495



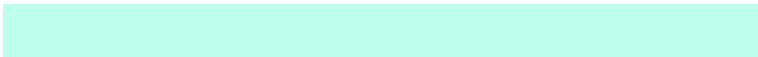
62.6990, 0.3513, 0.3095

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.



88.5233, 0.3604, 0.3314



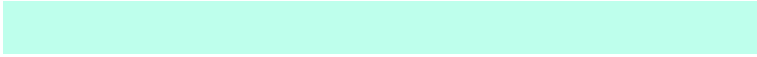
88.5233, 0.2848, 0.3495



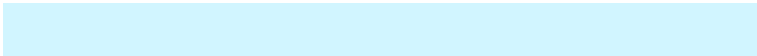
88.5233, 0.3132, 0.2924

Square

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



88.5233, 0.2848, 0.3495



88.5233, 0.2684, 0.2869



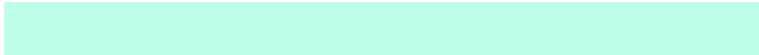
88.5233, 0.3404, 0.3093



88.5233, 0.3583, 0.3711

Rectangle

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



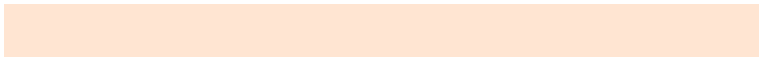
88.5233, 0.2848, 0.3495



88.5233, 0.2618, 0.3076



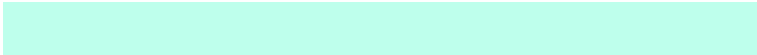
88.5233, 0.3404, 0.3093



88.5233, 0.3665, 0.3466

Sweetspot

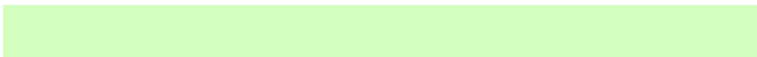
The Sweet Spot groups the original color and five complimentary colors.



88.5243, 0.2848, 0.3495



95.9556, 0.3036, 0.3349



88.8684, 0.3214, 0.3995



20.3855, 0.3019, 0.3361



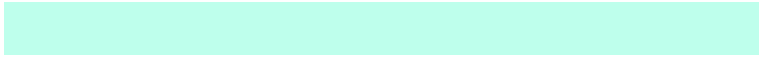
0.0000, 0.0000, 0.0000



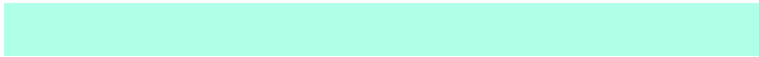
21.4041, 0.3127, 0.3290

Same Dimension

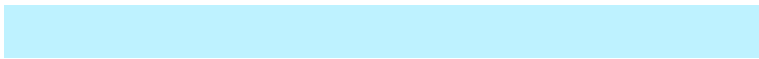
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5243, 0.2848, 0.3495



86.5628, 0.2794, 0.3546



81.6754, 0.2739, 0.3149



20.3855, 0.3019, 0.3361



39.1279, 0.2520, 0.4273



3.8288, 0.2485, 0.4147

Inverse Universe

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



62.6990, 0.3513, 0.3095



56.4185, 0.3627, 0.3051



67.6963, 0.3639, 0.3426



18.0745, 0.3248, 0.3221



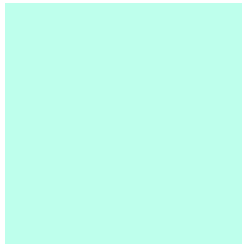
11.3940, 0.5794, 0.2966



1.1275, 0.5474, 0.2789

Previews

White Background



This preview shows how the Yxy color 88.5233, 0.2848, 0.3495 looks on a white background.

Color Contrast Check

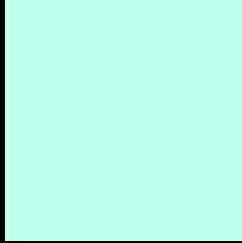
Large Text (above 18pt) WCAG AA × Fail

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 88.5233, 0.2848, 0.3495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

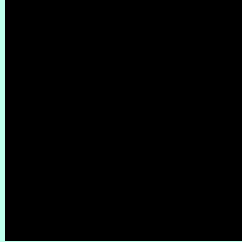
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

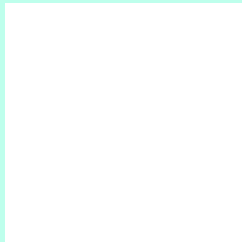
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.5233, 0.2848, 0.3495

Background



This preview shows how black text looks on a background with the Yxy color 88.5233, 0.2848, 0.3495.

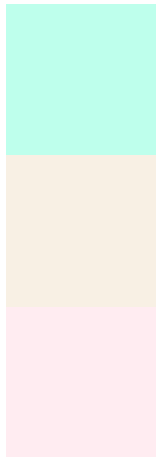


This preview shows how white text looks on a background with the Yxy color 88.5233, 0.2848, 0.3495.

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

88.5233, 0.2848, 0.3495

Protanopia

87.8781, 0.3255, 0.3410

Deuteranopia

87.6018, 0.3223, 0.3241



Tritanopia

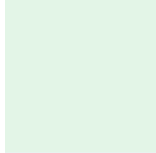
88.0544, 0.2926, 0.3188

Trichromacy



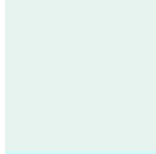
Original Color

88.5233, 0.2848, 0.3495



Protanomaly

87.4052, 0.3095, 0.3435



Deuteranomaly

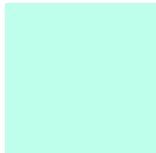
87.3221, 0.3074, 0.3331



Tritanomaly

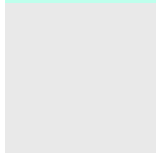
88.2303, 0.2895, 0.3300

Monochromacy



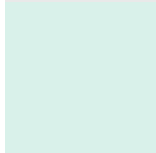
Original Color

88.5233, 0.2848, 0.3495



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6028, 0.3014, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5233, 0.2848, 0.3495 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(190, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 236)  
}
```

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(190, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 88.5233, 0.2848, 0.3495 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(190, 255, 236) }
```

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

```
.border{ border-color:rgb(190, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5233, 0.2848, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 236) }
```

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

```
.background{ background-color: rgb(190,  
255, 236) }
```

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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