

Converting Colors

$Y_{xy}(117.6371, 0.2799, 0.3745)$

Have a look what the booklet for
Yxy(117.6371, 0.2799, 0.3745)
contains.

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Color

Yxy(88.9869, 0.2761, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFFA
RGB	187, 255, 250
RGB Percent	73%, 100%, 98%
CMY	0.2666, 0.0000, 0.0195
CMYK	0.27, 0.00, 0.02, 0.00
HSL	176°, 100%, 87%
HSV	176°, 27%, 100%
XYZ	73.5167, 88.9869, 103.7648
YIQ	234.0980, -38.9230, -15.9710

Conversions

Conversions Part 2

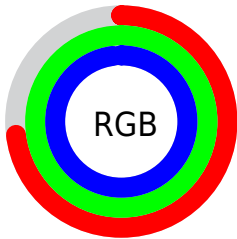
Format	Color
RYB	187, 222, 255
Decimal	12320762
CIELab	95.57, -21.95, -4.45
CIELCh	96, 22.400, 191.446
Yxy	88.9869, 0.2761, 0.3342
Android (android.graphics.Color)	4290510842 (0xFFBBFFFA)
YUV	234.0980, 7.8397, -41.3049
Hunter-Lab	94.3329, -25.9716, 0.8149

Details

The Yxy color **88.9869, 0.2761, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.6181, 0.3663, 0.3240**, and the grayscale version is **82.3264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **49.1887, 0.2682, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **85.9378, 0.2644, 0.3364**, and if you desaturate by 10%, it is **92.6154, 0.2891, 0.3321**.

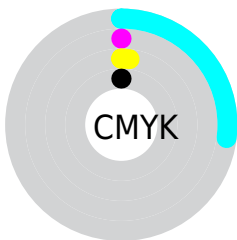
Distribution



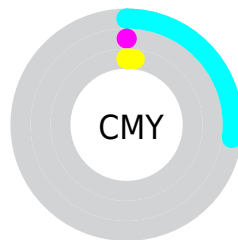
- Red (73%)
- Green (100%)
- Blue (98%)



- Red (73%)
- Yellow (87%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.9869, 0.2761, 0.3342 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 88.9869, 0.2761, 0.3342 by changing the saturation by 10% instead.


 88.9869, 0.2761,
0.3342

 88.9869, 0.2761,
0.3342

524.7297, 0.2923,
0.3321

 67.1407, 0.2726,
0.3346

 145.9304, 0.2816,
0.3335

 49.1990, 0.2683,
0.3351


181.7964, 0.2838,
0.3332

 34.7773, 0.2630,
0.3357


223.1045, 0.2856,
0.3330

 23.4914, 0.2562,
0.3364

270.2390, 0.2873,
0.3328

 14.9568, 0.2474,
0.3373

323.5844, 0.2888,
0.3326

 8.7891, 0.2354,
0.3383


383.5251, 0.2901,


 4.6038, 0.2180,

0.3324

0.3394

450.4454, 0.2912,
0.3322


 2.0168, 0.1908,
0.3403

 0.6172, 0.0307,
0.3739


 88.9869, 0.2761,
0.3342


 88.9869, 0.2761,
0.3342


 85.9378, 0.2644,
0.3364

 92.6154, 0.2891,
0.3321


 83.4271, 0.2542,
0.3388


 96.8404, 0.3030,
0.3302


 81.4253, 0.2458,
0.3412


 99.9982, 0.3127,
0.3290

 79.8960, 0.2393,
0.3437

 78.7975, 0.2347,
0.3462

 78.0813, 0.2321,
0.3487

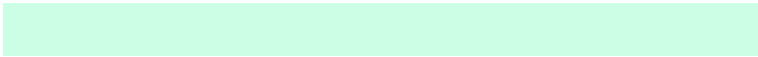
 77.6862, 0.2312,
0.3511

 77.5948, 0.2311,
0.3520

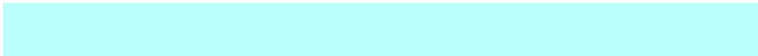
Harmonies

Analogous

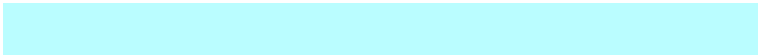
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9869, 0.2962, 0.3569



88.9869, 0.2761, 0.3342



88.9869, 0.2658, 0.3111

Triad

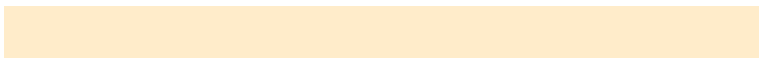
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9869, 0.2761, 0.3342



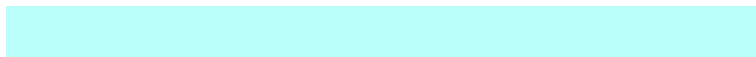
88.9869, 0.3026, 0.2906



88.9869, 0.3599, 0.3623

Complementary

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



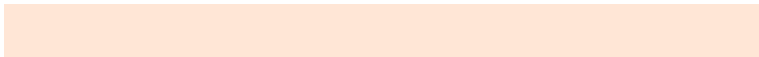
88.9869, 0.2761, 0.3342



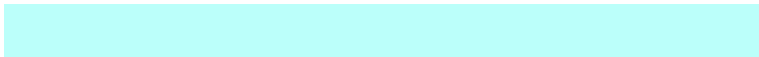
60.6181, 0.3663, 0.3240

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.



88.9869, 0.3621, 0.3437



88.9869, 0.2761, 0.3342



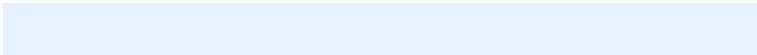
88.9869, 0.3282, 0.3034

Square

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



88.9869, 0.2761, 0.3342



88.9869, 0.2805, 0.2871



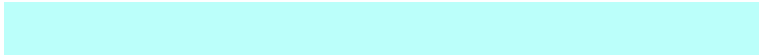
88.9869, 0.3503, 0.3224



88.9869, 0.3447, 0.3730

Rectangle

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



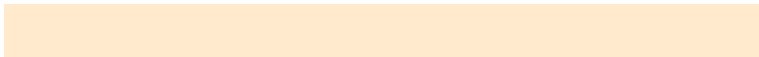
88.9869, 0.2761, 0.3342



88.9869, 0.2655, 0.2988



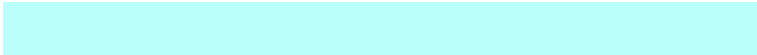
88.9869, 0.3503, 0.3224



88.9869, 0.3622, 0.3567

Sweetspot

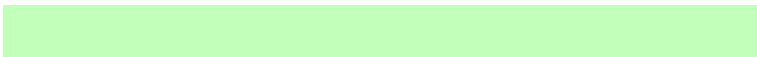
The Sweet Spot groups the original color and five complimentary colors.



88.9905, 0.2761, 0.3342



96.2384, 0.3011, 0.3304



86.4045, 0.3125, 0.4052



20.4572, 0.2990, 0.3307



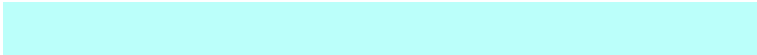
0.0000, 0.0000, 0.0000



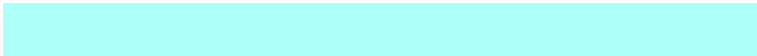
21.4041, 0.3127, 0.3290

Same Dimension

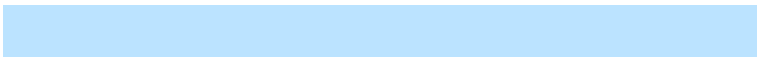
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9905, 0.2761, 0.3342



87.2915, 0.2697, 0.3354



72.5500, 0.2706, 0.2978



20.4572, 0.2990, 0.3307



40.5557, 0.2310, 0.3516



3.9553, 0.2302, 0.3487

Inverse Universe

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



60.6181, 0.3663, 0.3240



54.5703, 0.3813, 0.3229



73.6274, 0.3630, 0.3582



18.0086, 0.3283, 0.3273



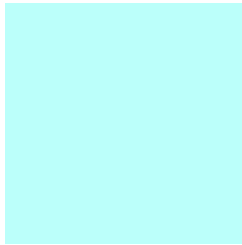
11.1405, 0.6325, 0.3258



1.0918, 0.6159, 0.3166

Previews

White Background



This preview shows how the Yxy color 88.9869, 0.2761, 0.3342 looks on a white background.

Color Contrast Check

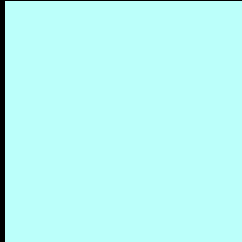
Large Text (above 18pt) WCAG AA × Fail

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 88.9869, 0.2761, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

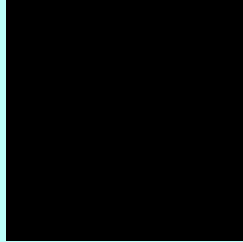
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.9869, 0.2761, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 88.9869, 0.2761, 0.3342.

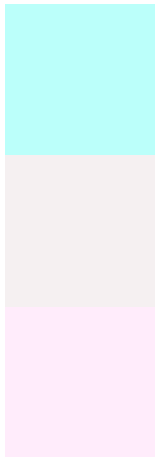


This preview shows how white text looks on a background with the Yxy color 88.9869, 0.2761, 0.3342.

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

88.9869, 0.2761, 0.3342

Protanopia

88.0835, 0.3154, 0.3280

Deuteranopia

88.2159, 0.3161, 0.3145



Tritanopia

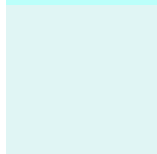
88.6611, 0.2926, 0.3198

Trichromacy



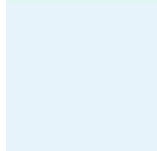
Original Color

88.9869, 0.2761, 0.3342



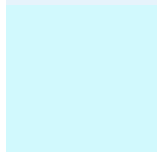
Protanomaly

87.6838, 0.3000, 0.3300



Deuteranomaly

87.8892, 0.2997, 0.3209



Tritanomaly

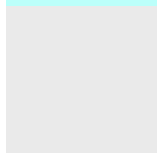
88.3985, 0.2862, 0.3248

Monochromacy



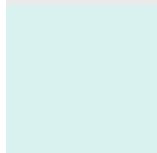
Original Color

88.9869, 0.2761, 0.3342



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5472, 0.2980, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9869, 0.2761, 0.3342 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 88.9869, 0.2761, 0.3342 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, 250) }
```

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

```
.border{ border-color:rgb(187, 255, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9869, 0.2761, 0.3342 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, 250) }
```

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

```
.background{ background-color: rgb(187,  
255, 250) }
```

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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