

Converting Colors

Yxy(87.6183, 0.2793, 0.3482)

Have a look what the booklet for
Yxy(87.6183, 0.2793, 0.3482)
contains.

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Color

Yxy(87.5168, 0.2789, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFEE
RGB	181, 255, 238
RGB Percent	71%, 100%, 93%
CMY	0.2904, 0.0000, 0.0666
CMYK	0.29, 0.00, 0.07, 0.00
HSL	166°, 100%, 85%
HSV	166°, 29%, 100%
XYZ	70.2401, 87.5168, 94.0900
YIQ	230.9360, -38.6470, -20.9750

Conversions

Conversions Part 2

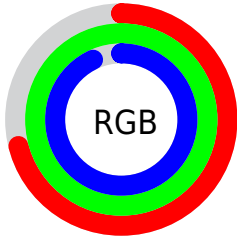
Format	Color
R_{YB}	181, 223, 255
Decimal	11927534
CIE Lab	94.96, -26.21, 0.81
CIE LCh	95, 26.227, 178.237
Yxy	87.5168, 0.2789, 0.3475
Android (android.graphics.Color)	4290117614 (0xFFB5FFEE)
YUV	230.9360, 3.4826, -43.7939
Hunter-Lab	93.5504, -29.6907, 5.8533

Details

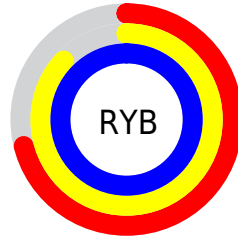
The Yxy color **87.5168, 0.2789, 0.3475** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.3590, 0.3626, 0.3115**, and the grayscale version is **79.8438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **48.2012, 0.2718, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **84.3683, 0.2690, 0.3549**, and if you desaturate by 10%, it is **91.2289, 0.2899, 0.3406**.

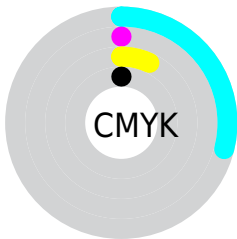
Distribution



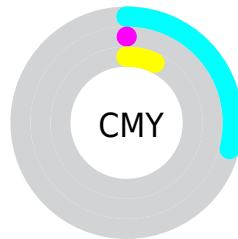
- Red (71%)
- Green (100%)
- Blue (93%)



- Red (71%)
- Yellow (87%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5168, 0.2789, 0.3475 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 87.5168, 0.2789, 0.3475 by changing the saturation by 10% instead.


 87.5168, 0.2789,
0.3475

 87.5168, 0.2789,
0.3475


519.9196, 0.2940,
0.3392

 65.9230, 0.2756,
0.3493


 143.8843, 0.2840,
0.3447

 48.2099, 0.2715,
0.3516


179.4267, 0.2861,
0.3436

 33.9931, 0.2665,
0.3544


220.3874, 0.2878,
0.3426

 22.8883, 0.2600,
0.3579

267.1508, 0.2894,
0.3418

 14.5111, 0.2515,
0.3627

320.1014, 0.2907,
0.3410

 8.4770, 0.2397,
0.3692

379.6234, 0.2920,

 4.4016, 0.2224,

0.3403

0.3790

446.1013, 0.2930,
0.3397

1.9007, 0.1947,
0.3947

0.5488, 0.0000,
0.5035

87.5168, 0.2789,
0.3475

87.5168, 0.2789,
0.3475

84.3683, 0.2690,
0.3549

91.2289, 0.2899,
0.3406


81.7699, 0.2606,
0.3628


95.5506, 0.3016,
0.3342

79.6820, 0.2538,
0.3711


100.0000, 0.3127,
0.3290

78.0668, 0.2489,
0.3796

 76.8813, 0.2460,
0.3882

 76.0744, 0.2452,
0.3968

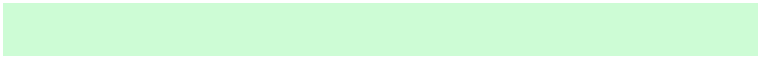
 75.5706, 0.2460,
0.4052

 75.5291, 0.2461,
0.4060

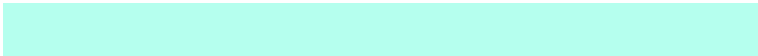
Harmonies

Analogous

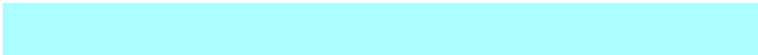
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5168, 0.3058, 0.3713



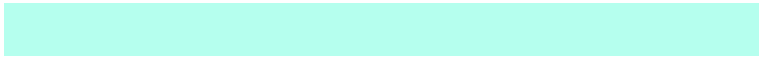
87.5168, 0.2789, 0.3475



87.5168, 0.2614, 0.3191

Triad

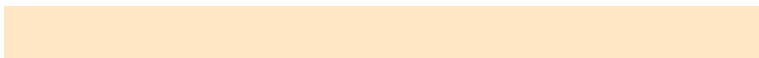
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5168, 0.2789, 0.3475



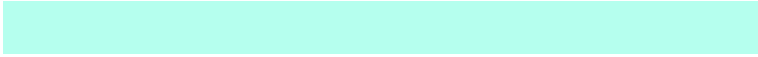
87.5168, 0.2884, 0.2810



87.5168, 0.3716, 0.3589

Complementary

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



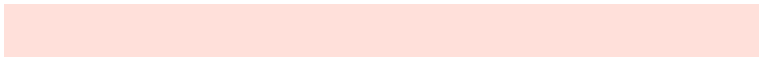
87.5168, 0.2789, 0.3475



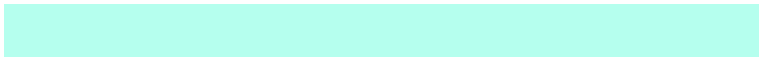
58.3590, 0.3626, 0.3115

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.



87.5168, 0.3668, 0.3350



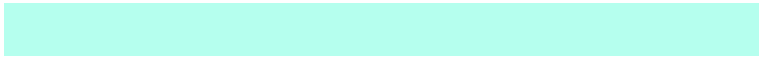
87.5168, 0.2789, 0.3475



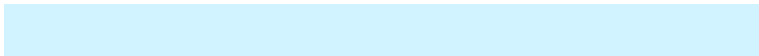
87.5168, 0.3175, 0.2914

Square

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



87.5168, 0.2789, 0.3475



87.5168, 0.2667, 0.2820



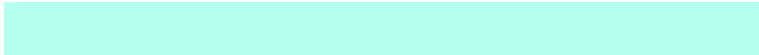
87.5168, 0.3466, 0.3107



87.5168, 0.3598, 0.3766

Rectangle

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



87.5168, 0.2789, 0.3475



87.5168, 0.2570, 0.3023



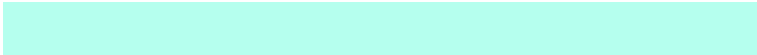
87.5168, 0.3466, 0.3107



87.5168, 0.3719, 0.3513

Sweetspot

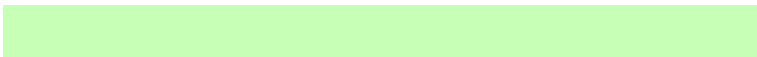
The Sweet Spot groups the original color and five complimentary colors.



87.5110, 0.2789, 0.3475



95.5698, 0.3017, 0.3342



86.8901, 0.3193, 0.4113



20.3129, 0.2999, 0.3351



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

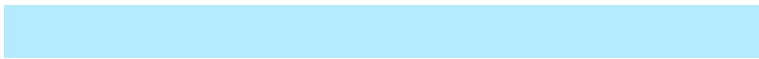
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5110, 0.2789, 0.3475



85.5711, 0.2729, 0.3519



76.5980, 0.2682, 0.3072



20.4060, 0.3011, 0.3345



39.4895, 0.2457, 0.4046



3.8615, 0.2430, 0.3949

Inverse Universe

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



58.3590, 0.3626, 0.3115



51.9961, 0.3771, 0.3077



66.2239, 0.3717, 0.3497



18.0553, 0.3258, 0.3236



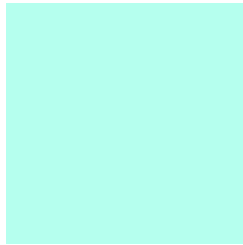
11.2896, 0.5998, 0.3078



1.1150, 0.5689, 0.2908

Previews

White Background



This preview shows how the Yxy color 87.5168, 0.2789, 0.3475 looks on a white background.

Color Contrast Check

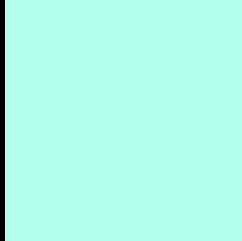
Large Text (above 18pt) WCAG AA × Fail

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 87.5168, 0.2789, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

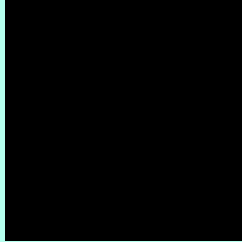
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

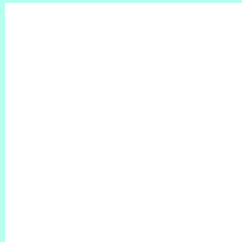
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5168, 0.2789, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 87.5168, 0.2789, 0.3475.

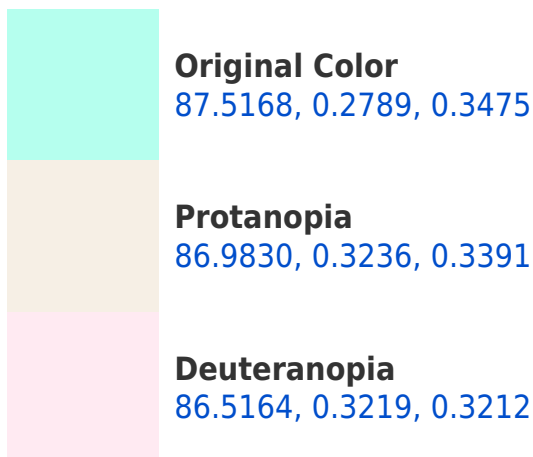


This preview shows how white text looks on a background with the Yxy color 87.5168, 0.2789, 0.3475.

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

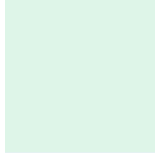
87.2765, 0.2896, 0.3187

Trichromacy



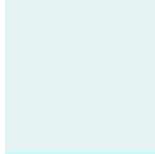
Original Color

87.5168, 0.2789, 0.3475



Protanomaly

86.6606, 0.3057, 0.3425



Deuteranomaly

86.3491, 0.3043, 0.3300



Tritanomaly

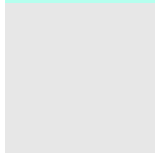
87.4283, 0.2855, 0.3289

Monochromacy



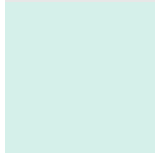
Original Color

87.5168, 0.2789, 0.3475



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4068, 0.2989, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5168, 0.2789, 0.3475 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(181, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 238)  
}
```

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(181, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 87.5168, 0.2789, 0.3475 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(181, 255, 238) }
```

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

```
.border{ border-color:rgb(181, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5168, 0.2789, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 238) }
```

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

```
.background{ background-color: rgb(181,  
255, 238) }
```

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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