

Converting Colors

$Yxy(87.8125, 0.2764, 0.3419)$

Have a look what the booklet for
Yxy(87.8125, 0.2764, 0.3419)
contains.

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Color

Yxy(87.8148, 0.2764, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFF3
RGB	181, 255, 243
RGB Percent	71%, 100%, 95%
CMY	0.2904, 0.0000, 0.0469
CMYK	0.29, 0.00, 0.05, 0.00
HSL	170°, 100%, 85%
HSV	170°, 29%, 100%
XYZ	70.9915, 87.8148, 98.0372
YIQ	231.5060, -40.2520, -19.4200

Conversions

Conversions Part 2

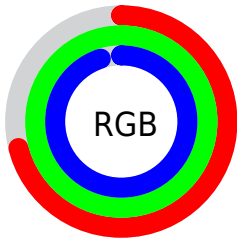
Format	Color
RYB	181, 221, 255
Decimal	11927539
CIELab	95.08, -25.15, -1.60
CIElCh	95, 25.201, 183.648
Yxy	87.8148, 0.2764, 0.3419
Android (android.graphics.Color)	4290117619 (0xFFB5FFF3)
YUV	231.5060, 5.6665, -44.2938
Hunter-Lab	93.7096, -28.7655, 3.5686

Details

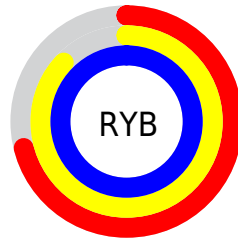
The Yxy color **87.8148, 0.2764, 0.3419** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.1379, 0.3670, 0.3167**, and the grayscale version is **80.2810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **48.4116, 0.2687, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **84.7619, 0.2659, 0.3470**, and if you desaturate by 10%, it is **91.4332, 0.2881, 0.3371**.

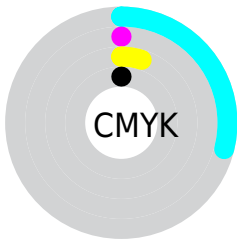
Distribution



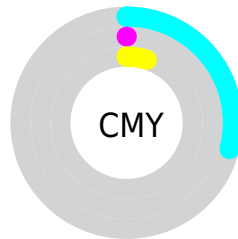
- Red (71%)
- Green (100%)
- Blue (95%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8148, 0.2764, 0.3419 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 87.8148, 0.2764, 0.3419 by changing the saturation by 10% instead.


 87.8148, 0.2764,
0.3419

 87.8148, 0.2764,
0.3419


520.8966, 0.2926,
0.3362

 66.1697, 0.2729,
0.3431


 144.2993, 0.2819,
0.3400

 48.4102, 0.2685,
0.3446


179.9075, 0.2841,
0.3392

 34.1518, 0.2632,
0.3465


220.9388, 0.2859,
0.3386

 23.0103, 0.2564,
0.3488

267.7777, 0.2876,
0.3380

 14.6011, 0.2474,
0.3518

320.8085, 0.2890,
0.3375

 8.5399, 0.2351,
0.3559

380.4157, 0.2903,

 4.4423, 0.2171,

0.3370

0.3617

446.9835, 0.2915,
0.3366

■ 1.9239, 0.1887,
0.3705

■ 0.5627, 0.0000,
0.4371

■ 87.8148, 0.2764,
0.3419

■ 87.8148, 0.2764,
0.3419

■ 84.7619, 0.2659,
0.3470

■ 91.4332, 0.2881,
0.3371

■ 82.2499, 0.2568,
0.3525

■ 95.6518, 0.3008,
0.3327

■ 80.2429, 0.2495,
0.3581

100.0000, 0.3127,
0.3290

■ 78.7033, 0.2441,
0.3639

■ 77.5881, 0.2407,
0.3698

■ 76.8463, 0.2392,
0.3756

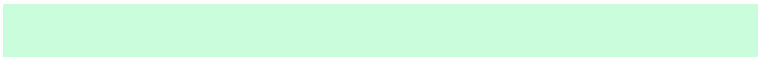
■ 76.4025, 0.2394,
0.3813

■ 76.3663, 0.2394,
0.3819

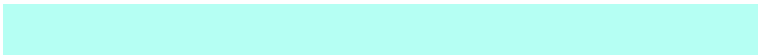
Harmonies

Analogous

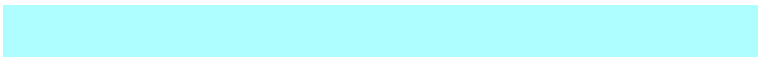
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8148, 0.3011, 0.3661



87.8148, 0.2764, 0.3419



87.8148, 0.2617, 0.3149

Triad

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



87.8148, 0.2764, 0.3419



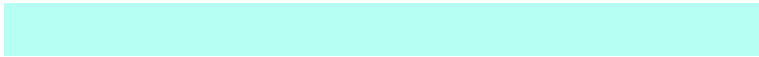
87.8148, 0.2941, 0.2838



87.8148, 0.3683, 0.3615

Complementary

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



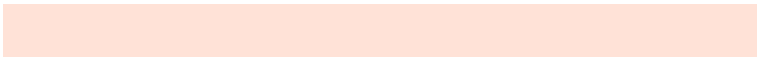
87.8148, 0.2764, 0.3419



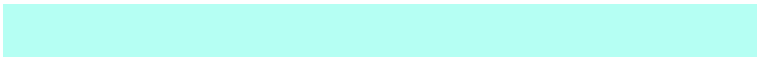
58.1379, 0.3670, 0.3167

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.



87.8148, 0.3666, 0.3391



87.8148, 0.2764, 0.3419



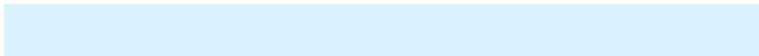
87.8148, 0.3227, 0.2957

Square

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



87.8148, 0.2764, 0.3419



87.8148, 0.2715, 0.2828



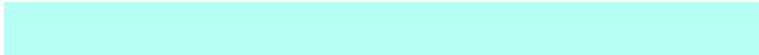
87.8148, 0.3496, 0.3155



87.8148, 0.3544, 0.3767

Rectangle

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



87.8148, 0.2764, 0.3419



87.8148, 0.2590, 0.2996



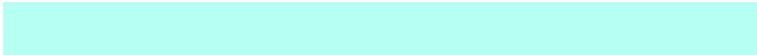
87.8148, 0.3496, 0.3155



87.8148, 0.3695, 0.3546

Sweetspot

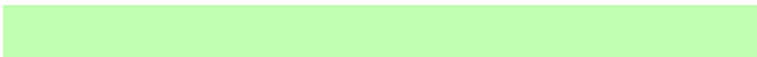
The Sweet Spot groups the original color and five complimentary colors.



87.8128, 0.2764, 0.3419



95.6678, 0.3008, 0.3326



86.2315, 0.3162, 0.4121



20.3372, 0.2989, 0.3333



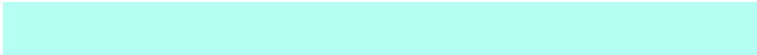
0.0000, 0.0000, 0.0000



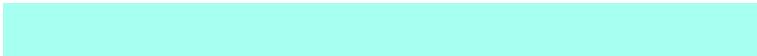
21.4041, 0.3127, 0.3290

Same Dimension

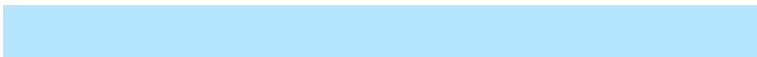
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8128, 0.2764, 0.3419



85.9264, 0.2700, 0.3449



73.8108, 0.2676, 0.3016



20.4281, 0.3002, 0.3329



39.9218, 0.2392, 0.3809



3.8999, 0.2373, 0.3743

Inverse Universe

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



58.1379, 0.3670, 0.3167



51.7434, 0.3829, 0.3141



68.5640, 0.3702, 0.3547



18.0349, 0.3269, 0.3252



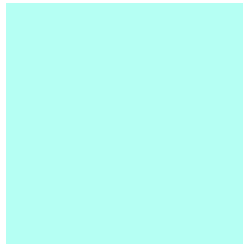
11.2071, 0.6173, 0.3174



1.1042, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 87.8148, 0.2764, 0.3419 looks on a white background.

Color Contrast Check

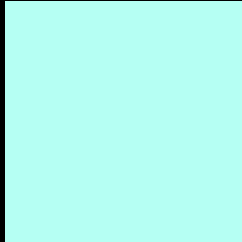
Large Text (above 18pt) WCAG AA × Fail

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 87.8148, 0.2764, 0.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

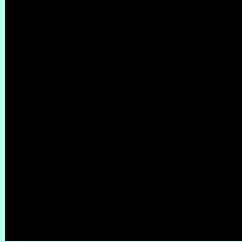
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

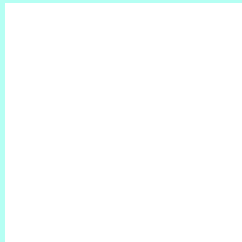
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8148, 0.2764, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 87.8148, 0.2764, 0.3419.

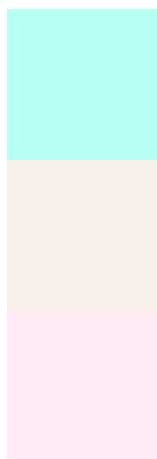


This preview shows how white text looks on a background with the Yxy color 87.8148, 0.2764, 0.3419.

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

87.8148, 0.2764, 0.3419

Protanopia

87.2663, 0.3205, 0.3340

Deuteranopia

86.7595, 0.3193, 0.3173



Tritanopia

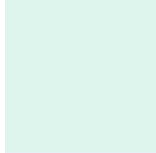
87.2765, 0.2896, 0.3187

Trichromacy



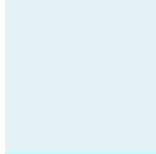
Original Color

87.8148, 0.2764, 0.3419



Protanomaly

86.9488, 0.3028, 0.3373



Deuteranomaly

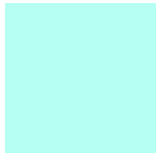
86.5908, 0.3020, 0.3259



Tritanomaly

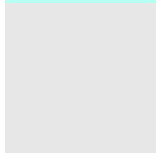
87.5538, 0.2844, 0.3268

Monochromacy



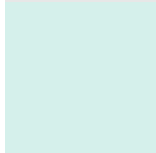
Original Color

87.8148, 0.2764, 0.3419



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4645, 0.2983, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8148, 0.2764, 0.3419 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 87.8148, 0.2764, 0.3419 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, 243) }
```

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

```
.border{ border-color:rgb(181, 255, 243) }
```

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, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8148, 0.2764, 0.3419 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, 243) }
```

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

```
.background{ background-color: rgb(181,  
255, 243) }
```

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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