

Converting Colors

$Yxy(87.2079, 0.2813, 0.3530)$

Have a look what the booklet for
Yxy(87.2079, 0.2813, 0.3530)
contains.

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Color

Yxy(87.2269, 0.2815, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFE9
RGB	181, 255, 233
RGB Percent	71%, 100%, 91%
CMY	0.2898, 0.0000, 0.0863
CMYK	0.29, 0.00, 0.09, 0.00
HSL	162°, 100%, 86%
HSV	162°, 29%, 100%
XYZ	69.5394, 87.2269, 90.2654
YIQ	230.3660, -37.0420, -22.5300

Conversions

Conversions Part 2

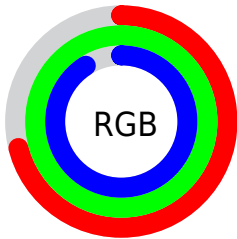
Format	Color
RYB	181, 224, 255
Decimal	11927529
CIELab	94.83, -27.19, 3.21
CIELCh	95, 27.383, 173.263
Yxy	87.2269, 0.2815, 0.3531
Android (android.graphics.Color)	4290117609 (0xFFB5FFE9)
YUV	230.3660, 1.2986, -43.2940
Hunter-Lab	93.3953, -30.5360, 8.0737

Details

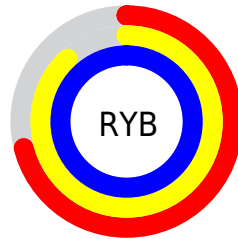
The Yxy color **87.2269, 0.2815, 0.3531** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.6566, 0.3581, 0.3063**, and the grayscale version is **79.4416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **47.9981, 0.2748, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **83.9988, 0.2723, 0.3629**, and if you desaturate by 10%, it is **91.0449, 0.2917, 0.3440**.

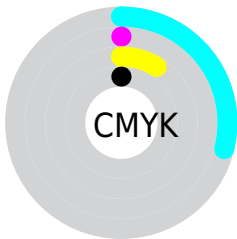
Distribution



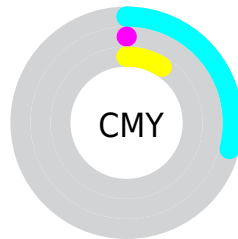
- Red (71%)
- Green (100%)
- Blue (91%)



- Red (71%)
- Yellow (88%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2269, 0.2815, 0.3531 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 87.2269, 0.2815, 0.3531 by changing the saturation by 10% instead.


 87.2269, 0.2815,
0.3531

 87.2269, 0.2815,
0.3531


518.9682, 0.2955,
0.3422

 65.6830, 0.2784,
0.3555

 143.4804, 0.2863,
0.3493

 48.0151, 0.2746,
0.3585


178.9587, 0.2882,
0.3479

 33.8389, 0.2699,
0.3623


219.8506, 0.2898,
0.3466

 22.7698, 0.2638,
0.3672

266.5406, 0.2912,
0.3455

 14.4236, 0.2557,
0.3737

319.4129, 0.2925,
0.3445

 8.4159, 0.2445,
0.3828

378.8520, 0.2936,

 4.3622, 0.2279,

0.3436

0.3967

445.2423, 0.2946,
0.3429

■ 1.8782, 0.2008,
0.4199

■ 0.5352, 0.0000,
0.5991

■ 87.2269, 0.2815,
0.3531

■ 87.2269, 0.2815,
0.3531

■ 83.9988, 0.2723,
0.3629

■ 91.0449, 0.2917,
0.3440

■ 81.3189, 0.2645,
0.3734


■ 95.4709, 0.3026,
0.3358


■ 79.1568, 0.2583,
0.3843

99.9925, 0.3127,
0.3290

■ 77.4747, 0.2539,
0.3956

 76.2294, 0.2516,
0.4071

 75.3699, 0.2513,
0.4185

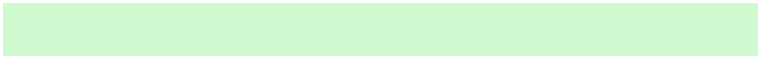
 74.8210, 0.2528,
0.4298

 74.7728, 0.2530,
0.4309

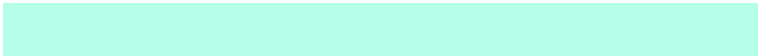
Harmonies

Analogous

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



87.2269, 0.3106, 0.3763



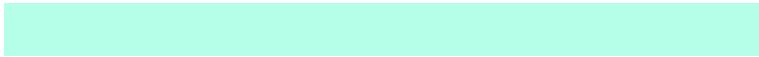
87.2269, 0.2815, 0.3531



87.2269, 0.2613, 0.3234

Triad

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



87.2269, 0.2815, 0.3531



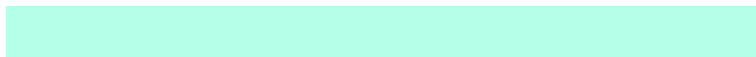
87.2269, 0.2828, 0.2782



87.2269, 0.3747, 0.3563

Complementary

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



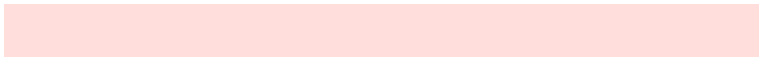
87.2269, 0.2815, 0.3531



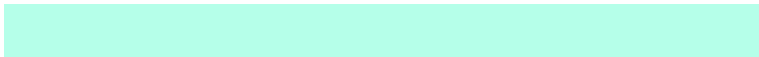
58.6566, 0.3581, 0.3063

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.



87.2269, 0.3668, 0.3308



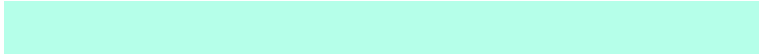
87.2269, 0.2815, 0.3531



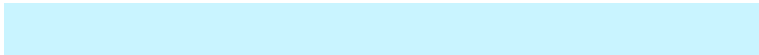
87.2269, 0.3124, 0.2873

Square

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



87.2269, 0.2815, 0.3531



87.2269, 0.2620, 0.2813



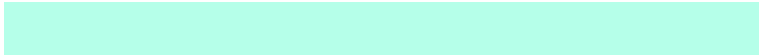
87.2269, 0.3435, 0.3061



87.2269, 0.3650, 0.3764

Rectangle

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



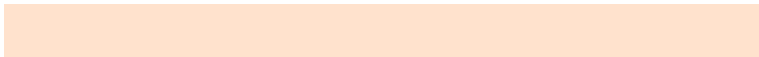
87.2269, 0.2815, 0.3531



87.2269, 0.2551, 0.3050



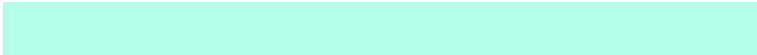
87.2269, 0.3435, 0.3061



87.2269, 0.3740, 0.3481

Sweetspot

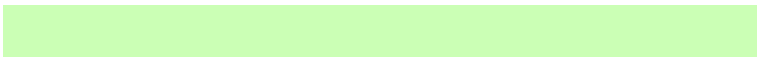
The Sweet Spot groups the original color and five complimentary colors.



87.2305, 0.2815, 0.3531



95.4723, 0.3025, 0.3358



87.5851, 0.3224, 0.4104



20.2888, 0.3009, 0.3369



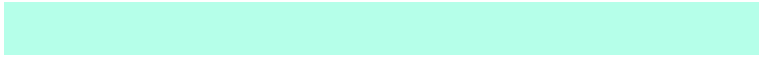
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

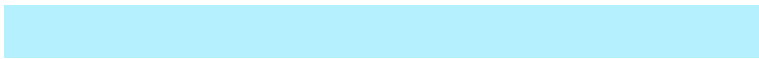
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2305, 0.2815, 0.3531



85.2266, 0.2758, 0.3589



79.4965, 0.2689, 0.3128



20.3840, 0.3020, 0.3362



39.1021, 0.2525, 0.4290



3.8265, 0.2489, 0.4162

Inverse Universe

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



58.6566, 0.3581, 0.3063



52.2606, 0.3713, 0.3014



64.0181, 0.3730, 0.3446



18.0760, 0.3247, 0.3220



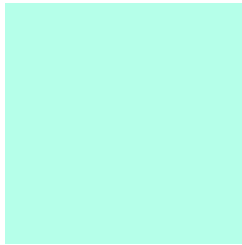
11.4031, 0.5778, 0.2956



1.1285, 0.5457, 0.2780

Previews

White Background



This preview shows how the Yxy color 87.2269, 0.2815, 0.3531 looks on a white background.

Color Contrast Check

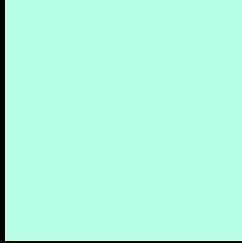
Large Text (above 18pt) WCAG AA × Fail

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 87.2269, 0.2815, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

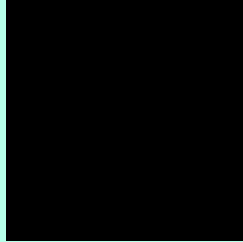
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

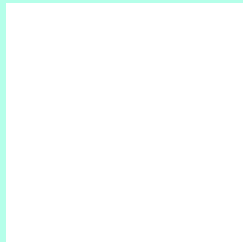
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2269, 0.2815, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 87.2269, 0.2815, 0.3531.

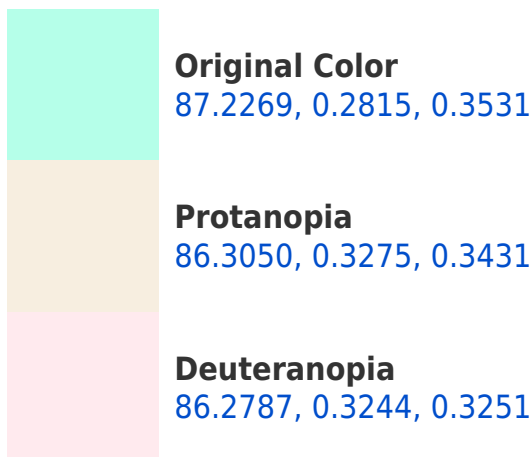


This preview shows how white text looks on a background with the Yxy color 87.2269, 0.2815, 0.3531.

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

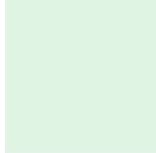
87.1237, 0.2890, 0.3187

Trichromacy



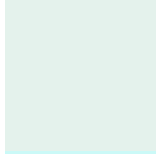
Original Color

87.2269, 0.2815, 0.3531



Protanomaly

85.9354, 0.3093, 0.3468



Deuteranomaly

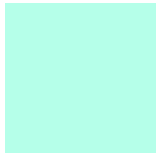
86.0544, 0.3073, 0.3352



Tritanomaly

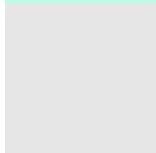
87.1633, 0.2859, 0.3310

Monochromacy



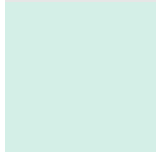
Original Color

87.2269, 0.2815, 0.3531



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4996, 0.3000, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2269, 0.2815, 0.3531 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 87.2269, 0.2815, 0.3531 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, 233) }
```

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

```
.border{ border-color:rgb(181, 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(181, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2269, 0.2815, 0.3531 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, 233) }
```

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

```
.background{ background-color: rgb(181,  
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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