

Converting Colors

$Yxy(87.0057, 0.2791, 0.3478)$

Have a look what the booklet for
Yxy(87.0057, 0.2791, 0.3478)
contains.

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Color

Yxy(86.8218, 0.2794, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	B5FEED
RGB	181, 254, 237
RGB Percent	71%, 100%, 93%
CMY	0.2900, 0.0039, 0.0708
CMYK	0.29, 0.00, 0.07, 0.00
HSL	166°, 97%, 85%
HSV	166°, 29%, 100%
XYZ	69.7871, 86.8218, 93.1661
YIQ	230.2350, -38.0510, -20.7630

Conversions

Conversions Part 2

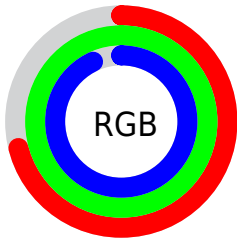
Format	Color
RYB	181, 222, 254
Decimal	11927277
CIELab	94.66, -25.92, 0.92
CIELCh	95, 25.935, 177.956
Yxy	86.8218, 0.2794, 0.3476
Android (android.graphics.Color)	4290117357 (0xFFB5FEED)
YUV	230.2350, 3.3351, -43.1791
Hunter-Lab	93.1782, -29.3718, 5.9425

Details

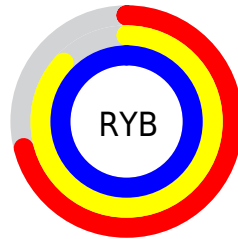
The Yxy color **86.8218, 0.2794, 0.3476** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.2212, 0.3616, 0.3114**, and the grayscale version is **79.3171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **47.7043, 0.2722, 0.3518** is the 20% darker color. If you saturate the color by 10%, you get **83.6874, 0.2695, 0.3552**, and if you desaturate by 10%, it is **90.5345, 0.2903, 0.3406**.

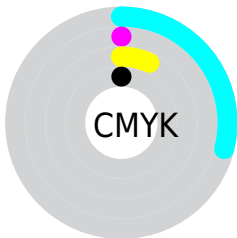
Distribution



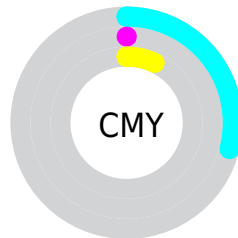
- Red (71%)
- Green (100%)
- Blue (93%)



- 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 86.8218, 0.2794, 0.3476 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 86.8218, 0.2794, 0.3476 by changing the saturation by 10% instead.


 86.8218, 0.2794,
0.3476

 86.8218, 0.2794,
0.3476


517.6371, 0.2943,
0.3392

 65.3477, 0.2761,
0.3495

 142.9157, 0.2845,
0.3447

 47.7431, 0.2721,
0.3517


178.3044, 0.2865,
0.3436

 33.6235, 0.2671,
0.3545


219.1001, 0.2882,
0.3427

 22.6045, 0.2607,
0.3582

265.6871, 0.2897,
0.3418

 14.3018, 0.2522,
0.3630

318.4500, 0.2911,
0.3411

 8.3308, 0.2405,
0.3697


377.7730, 0.2923,


 4.3074, 0.2232,


0.3404


0.3796


444.0406, 0.2934,
0.3398


 1.8469, 0.1954,
0.3958


 0.5162, 0.0000,
0.5093


 86.8218, 0.2794,
0.3476


 86.8218, 0.2794,
0.3476


 83.6874, 0.2695,
0.3552


 90.5345, 0.2903,
0.3406


 81.0902, 0.2611,
0.3632


 94.8431, 0.3021,
0.3341

 79.0003, 0.2543,
0.3716


 99.3480, 0.3129,
0.3283


 77.3804, 0.2494,
0.3803

 99.3634, 0.3128,
0.3281

 76.1881, 0.2465,
0.3891

 75.3732, 0.2455,
0.3978

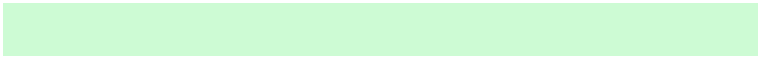
 74.8634, 0.2464,
0.4065

 74.8080, 0.2466,
0.4076

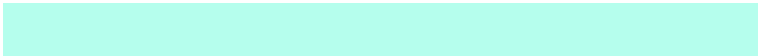
Harmonies

Analogous

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



86.8218, 0.3061, 0.3711



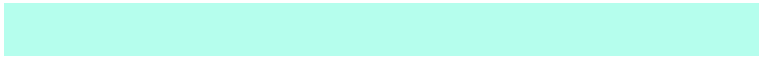
86.8218, 0.2794, 0.3476



86.8218, 0.2619, 0.3194

Triad

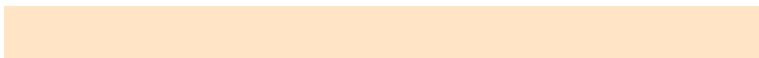
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8218, 0.2794, 0.3476



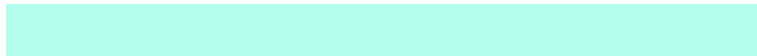
86.8218, 0.2883, 0.2813



86.8218, 0.3711, 0.3585

Complementary

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



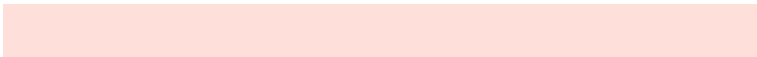
86.8218, 0.2794, 0.3476



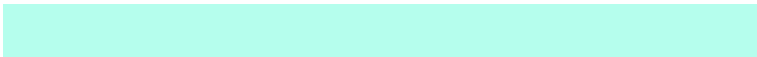
58.2212, 0.3616, 0.3114

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.



86.8218, 0.3662, 0.3347



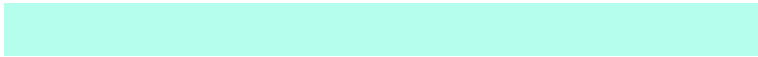
86.8218, 0.2794, 0.3476



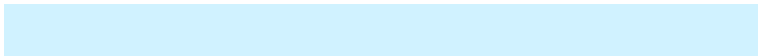
86.8218, 0.3172, 0.2916

Square

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



86.8218, 0.2794, 0.3476



86.8218, 0.2669, 0.2824



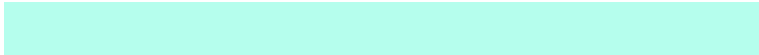
86.8218, 0.3461, 0.3107



86.8218, 0.3596, 0.3761

Rectangle

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



86.8218, 0.2794, 0.3476



86.8218, 0.2574, 0.3027



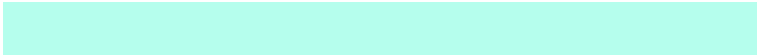
86.8218, 0.3461, 0.3107



86.8218, 0.3714, 0.3510

Sweetspot

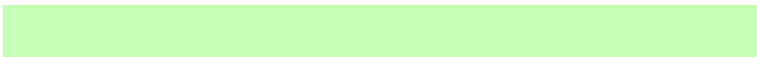
The Sweet Spot groups the original color and five complimentary colors.



86.8253, 0.2794, 0.3476



95.5636, 0.3017, 0.3343



86.4034, 0.3200, 0.4101



20.3114, 0.3000, 0.3352



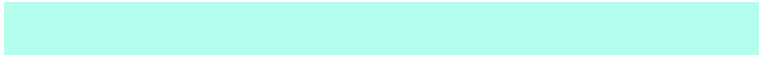
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

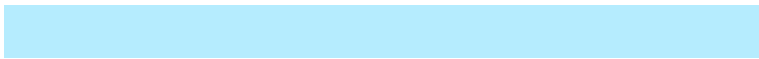
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8253, 0.2794, 0.3476



85.8612, 0.2740, 0.3515



76.8401, 0.2688, 0.3088



20.4046, 0.3011, 0.3346



39.4638, 0.2462, 0.4062



3.8592, 0.2434, 0.3962

Inverse Universe

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



58.2212, 0.3616, 0.3114



53.0310, 0.3742, 0.3080



65.3890, 0.3712, 0.3482



18.0566, 0.3257, 0.3235



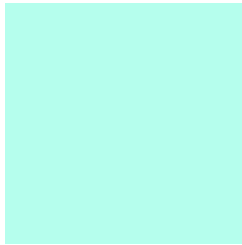
11.2958, 0.5985, 0.3071



1.1158, 0.5675, 0.2900

Previews

White Background



This preview shows how the Yxy color 86.8218, 0.2794, 0.3476 looks on a white background.

Color Contrast Check

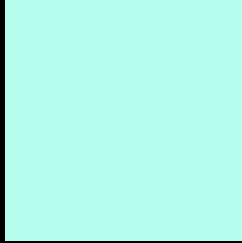
Large Text (above 18pt) WCAG AA × Fail

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 86.8218, 0.2794, 0.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

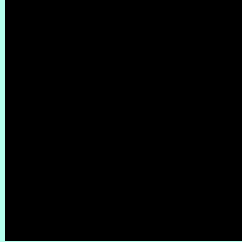
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

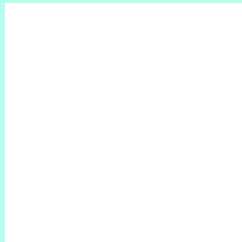
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8218, 0.2794, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 86.8218, 0.2794, 0.3476.

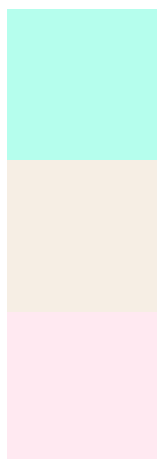


This preview shows how white text looks on a background with the Yxy color 86.8218, 0.2794, 0.3476.

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

86.8218, 0.2794, 0.3476

Protanopia

86.3433, 0.3243, 0.3391

Deuteranopia

85.8887, 0.3226, 0.3212



Tritanopia

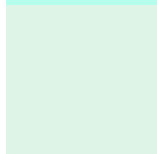
86.2175, 0.2878, 0.3176

Trichromacy



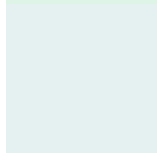
Original Color

86.8218, 0.2794, 0.3476



Protanomaly

86.0005, 0.3063, 0.3426



Deuteranomaly

85.6958, 0.3049, 0.3300



Tritanomaly

86.4687, 0.2848, 0.3289

Monochromacy



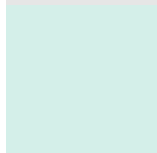
Original Color

86.8218, 0.2794, 0.3476



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.6132, 0.2989, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8218, 0.2794, 0.3476 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, 254, 237)` looks like.

```
.text, #text, p{  
    color:rgb(181, 254, 237)  
}
```

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, 254, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 254, 237) }
```

Border

The CSS property to change the border of an element to Yxy 86.8218, 0.2794, 0.3476 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, 254, 237) }
```

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

```
.border{ border-color:rgb(181, 254, 237) }
```

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

Here you see how a box with a 4 pixel rgb(181, 254, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 254, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 254, 237);  
box-shadow:4px 4px 4px 4px rgb(181, 254,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8218, 0.2794, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 254, 237) }
```

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

```
.background{ background-color: rgb(181,  
254, 237) }
```

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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