

Converting Colors

$Yxy(87.6720, 0.2777, 0.3447)$

Have a look what the booklet for
Yxy(87.6720, 0.2777, 0.3447)
contains.

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Color

Yxy(87.6946, 0.2774, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFF1
RGB	181, 255, 241
RGB Percent	71%, 100%, 95%
CMY	0.2905, 0.0000, 0.0550
CMYK	0.29, 0.00, 0.05, 0.00
HSL	169°, 100%, 85%
HSV	169°, 29%, 100%
XYZ	70.6754, 87.6946, 96.4080
YIQ	231.2780, -39.6100, -20.0420

Conversions

Conversions Part 2

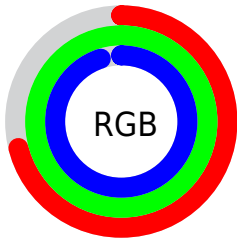
Format	Color
RYB	181, 222, 255
Decimal	11927537
CIELab	95.03, -25.61, -0.62
CIELCh	95, 25.613, 181.376
Yxy	87.6946, 0.2774, 0.3442
Android (android.graphics.Color)	4290117617 (0xFFB5FFF1)
YUV	231.2780, 4.7929, -44.0938
Hunter-Lab	93.6454, -29.1631, 4.5127

Details

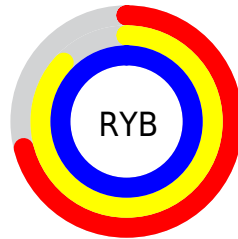
The Yxy color **87.6946, 0.2774, 0.3442** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.2087, 0.3652, 0.3145**, and the grayscale version is **80.0920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **48.3266, 0.2699, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **84.5949, 0.2671, 0.3503**, and if you desaturate by 10%, it is **91.3429, 0.2888, 0.3385**.

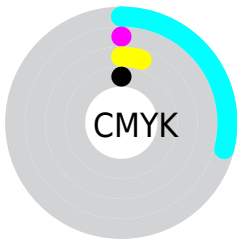
Distribution



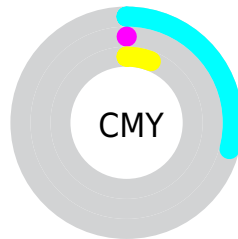
- Red (71%)
- Green (100%)
- Blue (95%)



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



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




- Cyan (29%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6946, 0.2774, 0.3442 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 87.6946, 0.2774, 0.3442 by changing the saturation by 10% instead.

 87.6946, 0.2774,
0.3442

 87.6946, 0.2774,
0.3442


520.5026, 0.2931,
0.3375

 66.0702, 0.2739,
0.3457


 144.1319, 0.2828,
0.3419

 48.3294, 0.2697,
0.3475

179.7136, 0.2849,
0.3410

 34.0878, 0.2645,
0.3497


220.7164, 0.2867,
0.3402

 22.9611, 0.2578,
0.3525

267.5249, 0.2883,
0.3395

 14.5648, 0.2490,
0.3562

320.5233, 0.2897,
0.3389

 8.5145, 0.2369,
0.3613

380.0962, 0.2910,

 4.4259, 0.2192,

0.3384

0.3687

446.6278, 0.2921,
0.3379

■ 1.9145, 0.1911,
0.3803

■ 0.5571, 0.0000,
0.4617

■ 87.6946, 0.2774,
0.3442

■ 87.6946, 0.2774,
0.3442

■ 84.5949, 0.2671,
0.3503

■ 91.3429, 0.2888,
0.3385

■ 82.0475, 0.2583,
0.3567

■ 95.6030, 0.3011,
0.3333

■ 80.0071, 0.2512,
0.3634

100.0000, 0.3127,
0.3290

■ 78.4359, 0.2460,
0.3703

■ 77.2910, 0.2428,
0.3772

■ 76.5213, 0.2416,
0.3841

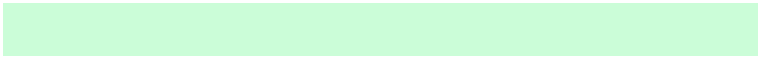
■ 76.0513, 0.2421,
0.3910

■ 76.0135, 0.2421,
0.3917

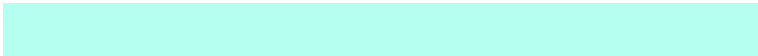
Harmonies

Analogous

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



87.6946, 0.3030, 0.3683



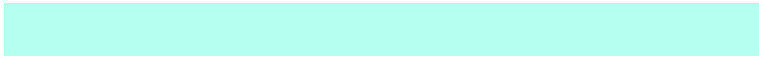
87.6946, 0.2774, 0.3442



87.6946, 0.2615, 0.3166

Triad

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



87.6946, 0.2774, 0.3442



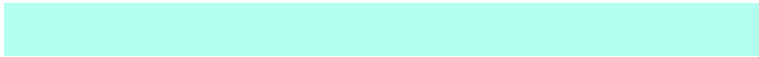
87.6946, 0.2917, 0.2826



87.6946, 0.3697, 0.3605

Complementary

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



87.6946, 0.2774, 0.3442



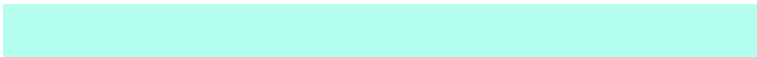
58.2087, 0.3652, 0.3145

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.



87.6946, 0.3667, 0.3374



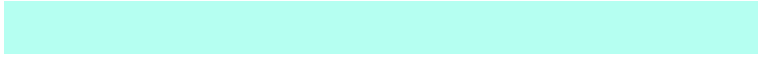
87.6946, 0.2774, 0.3442



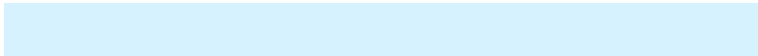
87.6946, 0.3206, 0.2939

Square

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



87.6946, 0.2774, 0.3442



87.6946, 0.2695, 0.2824



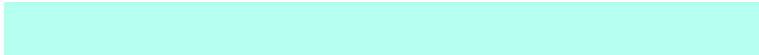
87.6946, 0.3484, 0.3135



87.6946, 0.3567, 0.3767

Rectangle

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



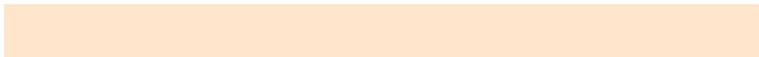
87.6946, 0.2774, 0.3442



87.6946, 0.2581, 0.3007



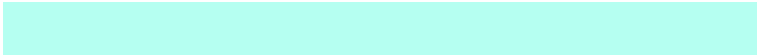
87.6946, 0.3484, 0.3135



87.6946, 0.3706, 0.3533

Sweetspot

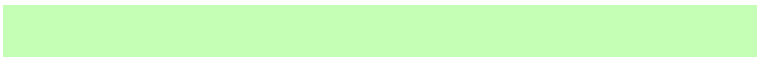
The Sweet Spot groups the original color and five complimentary colors.



87.6831, 0.2774, 0.3442



95.6277, 0.3012, 0.3333



86.5521, 0.3177, 0.4118



20.3273, 0.2993, 0.3340



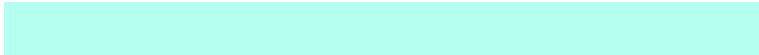
0.0000, 0.0000, 0.0000



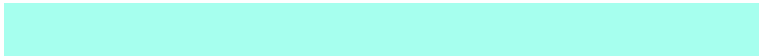
21.4041, 0.3127, 0.3290

Same Dimension

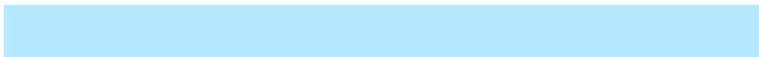
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6831, 0.2774, 0.3442



85.7799, 0.2711, 0.3477



75.1828, 0.2679, 0.3044



20.4191, 0.3005, 0.3335



39.7398, 0.2418, 0.3905



3.8838, 0.2396, 0.3826

Inverse Universe

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



58.2087, 0.3652, 0.3145



51.8452, 0.3805, 0.3115



67.3698, 0.3710, 0.3522



18.0432, 0.3264, 0.3245



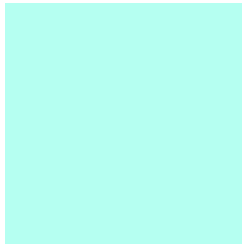
11.2373, 0.6108, 0.3138



1.1083, 0.5815, 0.2977

Previews

White Background



This preview shows how the Yxy color 87.6946, 0.2774, 0.3442 looks on a white background.

Color Contrast Check

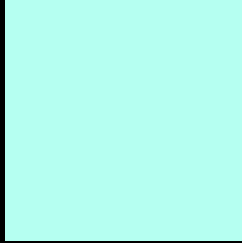
Large Text (above 18pt) WCAG AA × Fail

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 87.6946, 0.2774, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

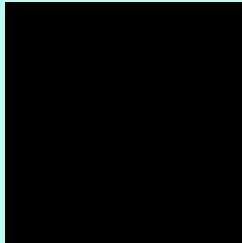
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6946, 0.2774, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 87.6946, 0.2774, 0.3442.

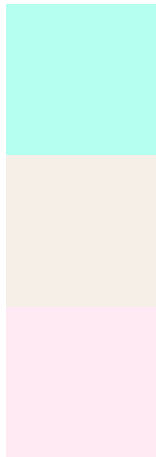


This preview shows how white text looks on a background with the Yxy color 87.6946, 0.2774, 0.3442.

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

87.6946, 0.2774, 0.3442

Protanopia

87.1520, 0.3217, 0.3360

Deuteranopia

86.6373, 0.3206, 0.3193



Tritanopia

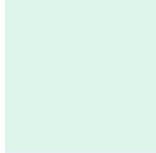
87.2765, 0.2896, 0.3187

Trichromacy



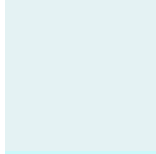
Original Color

87.6946, 0.2774, 0.3442



Protanomaly

86.8326, 0.3040, 0.3394



Deuteranomaly

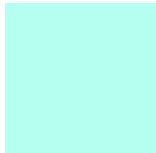
86.4693, 0.3031, 0.3280



Tritanomaly

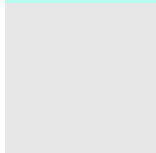
87.4909, 0.2849, 0.3279

Monochromacy



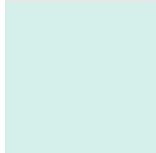
Original Color

87.6946, 0.2774, 0.3442



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 87.6946, 0.2774, 0.3442 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 87.6946, 0.2774, 0.3442 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, 241) }
```

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

```
.border{ border-color:rgb(181, 255, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6946, 0.2774, 0.3442 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, 241) }
```

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

```
.background{ background-color: rgb(181,  
255, 241) }
```

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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