

Converting Colors

$Yxy(90.6619, 0.2785, 0.3482)$

Have a look what the booklet for
Yxy(90.6619, 0.2785, 0.3482)
contains.

Yxy(87.9382, 0.2785, 0.3441)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.9382, 0.2785, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	B7FFF1
RGB	183, 255, 241
RGB Percent	72%, 100%, 95%
CMY	0.2822, 0.0000, 0.0549
CMYK	0.28, 0.00, 0.05, 0.00
HSL	168°, 100%, 86%
HSV	168°, 28%, 100%
XYZ	71.1735, 87.9382, 96.4483
YIQ	231.8760, -38.4180, -19.6180

Conversions

Conversions Part 2

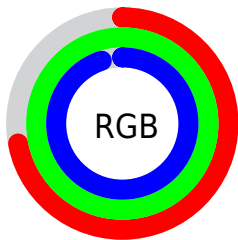
Format	Color
RYB	183, 223, 255
Decimal	12058609
CIELab	95.13, -24.99, -0.46
CIElCh	95, 24.992, 181.066
Yxy	87.9382, 0.2785, 0.3441
Android (android.graphics.Color)	4290248689 (0xFFB7FFF1)
YUV	231.8760, 4.4981, -42.8643
Hunter-Lab	93.7754, -28.6293, 4.6628

Details

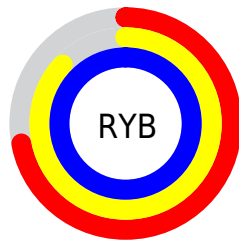
The Yxy color **87.9382, 0.2785, 0.3441** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.1759, 0.3629, 0.3146**, and the grayscale version is **80.5942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **48.4801, 0.2712, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **84.7999, 0.2682, 0.3503**, and if you desaturate by 10%, it is **91.6582, 0.2899, 0.3383**.

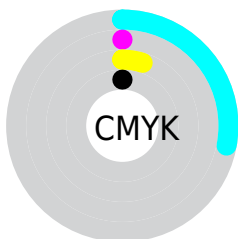
Distribution



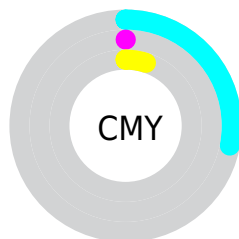
- Red (72%)
- Green (100%)
- Blue (95%)



- Red (72%)
- Yellow (87%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9382, 0.2785, 0.3441 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 87.9382, 0.2785, 0.3441 by changing the saturation by 10% instead.


 87.9382, 0.2785,
0.3441

 87.9382, 0.2785,
0.3441


521.3008, 0.2938,
0.3374

 66.2719, 0.2751,
0.3456

 144.4711, 0.2837,
0.3418

 48.4931, 0.2711,
0.3474

180.1065, 0.2857,
0.3409

 34.2176, 0.2660,
0.3496


221.1671, 0.2875,
0.3401

 23.0608, 0.2595,
0.3524

268.0371, 0.2891,
0.3395

 14.6384, 0.2510,
0.3561

321.1012, 0.2904,
0.3389

 8.5660, 0.2393,
0.3612

380.7435, 0.2917,

 4.4592, 0.2221,

0.3383

0.3686

447.3486, 0.2928,
0.3378

1.9336, 0.1948,
0.3803

0.5685, 0.0000,
0.4660

87.9382, 0.2785,
0.3441

87.9382, 0.2785,
0.3441

84.7999, 0.2682,
0.3503

91.6582, 0.2899,
0.3383

82.2019, 0.2593,
0.3569

95.9774, 0.3022,
0.3330

80.1142, 0.2521,
0.3638

99.9979, 0.3127,
0.3290

78.4994, 0.2468,
0.3709

■ 77.3152, 0.2434,
0.3780

■ 76.5114, 0.2421,
0.3852

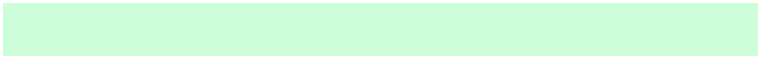
■ 76.0188, 0.2425,
0.3922

■ 75.9466, 0.2426,
0.3935

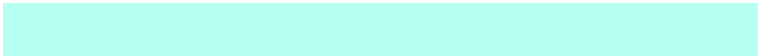
Harmonies

Analogous

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



87.9382, 0.3035, 0.3674



87.9382, 0.2785, 0.3441



87.9382, 0.2629, 0.3172

Triad

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



87.9382, 0.2785, 0.3441



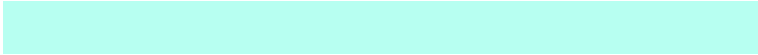
87.9382, 0.2920, 0.2837



87.9382, 0.3683, 0.3596

Complementary

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



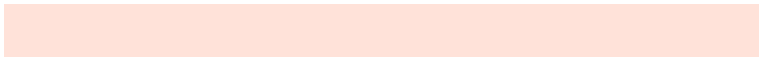
87.9382, 0.2785, 0.3441



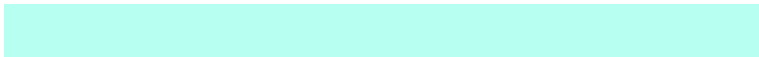
59.1759, 0.3629, 0.3146

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.



87.9382, 0.3652, 0.3370



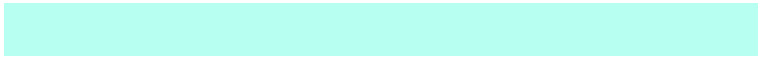
87.9382, 0.2785, 0.3441



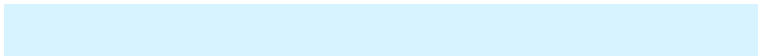
87.9382, 0.3201, 0.2946

Square

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



87.9382, 0.2785, 0.3441



87.9382, 0.2703, 0.2836



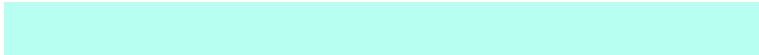
87.9382, 0.3473, 0.3137



87.9382, 0.3558, 0.3754

Rectangle

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



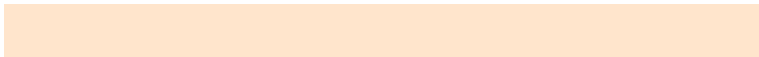
87.9382, 0.2785, 0.3441



87.9382, 0.2594, 0.3017



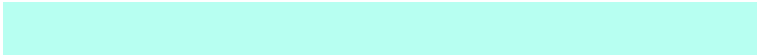
87.9382, 0.3473, 0.3137



87.9382, 0.3691, 0.3525

Sweetspot

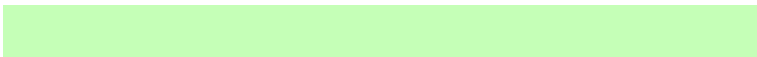
The Sweet Spot groups the original color and five complimentary colors.



87.9418, 0.2785, 0.3441



96.0814, 0.3025, 0.3329



86.8673, 0.3176, 0.4091



20.4174, 0.3006, 0.3337



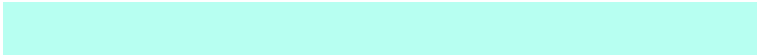
0.0000, 0.0000, 0.0000



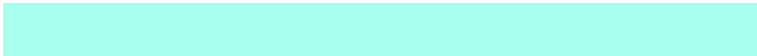
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9418, 0.2785, 0.3441



86.0595, 0.2724, 0.3477



75.8024, 0.2691, 0.3052



20.4174, 0.3006, 0.3337



39.7064, 0.2423, 0.3923



3.8808, 0.2401, 0.3842

Inverse Universe

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



59.1759, 0.3629, 0.3146



52.8854, 0.3774, 0.3115



68.1649, 0.3689, 0.3515



18.0448, 0.3264, 0.3244



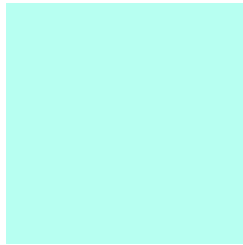
11.2435, 0.6094, 0.3131



1.1091, 0.5799, 0.2968

Previews

White Background



This preview shows how the Yxy color 87.9382, 0.2785, 0.3441 looks on a white background.

Color Contrast Check

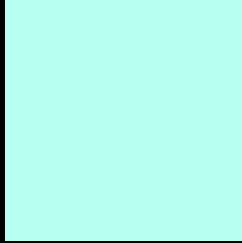
Large Text (above 18pt) WCAG AA × Fail

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 87.9382, 0.2785, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

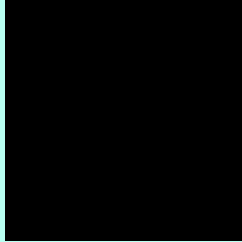
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

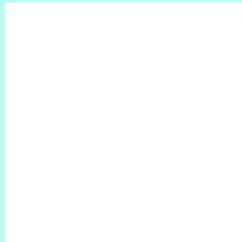
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9382, 0.2785, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 87.9382, 0.2785, 0.3441.

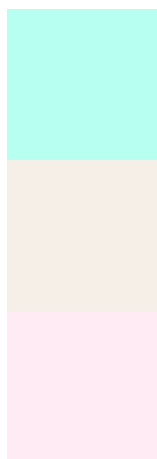


This preview shows how white text looks on a background with the Yxy color 87.9382, 0.2785, 0.3441.

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

87.9382, 0.2785, 0.3441

Protanopia

87.1520, 0.3217, 0.3360

Deuteranopia

87.2083, 0.3205, 0.3203



Tritanopia

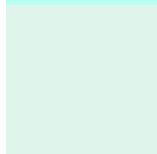
87.4302, 0.2902, 0.3187

Trichromacy



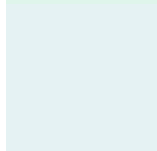
Original Color

87.9382, 0.2785, 0.3441



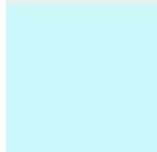
Protanomaly

86.9909, 0.3046, 0.3394



Deuteranomaly

86.6333, 0.3038, 0.3280



Tritanomaly

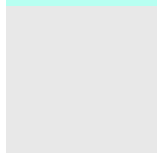
87.6326, 0.2855, 0.3279

Monochromacy



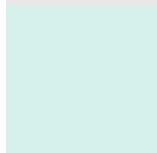
Original Color

87.9382, 0.2785, 0.3441



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.6145, 0.2990, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9382, 0.2785, 0.3441 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(183, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 87.9382, 0.2785, 0.3441 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(183, 255, 241) }
```

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

```
.border{ border-color:rgb(183, 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(183, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9382, 0.2785, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 241) }
```

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

```
.background{ background-color: rgb(183,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor