

Converting Colors

$Y_{xy}(100.0000, 0.2803, 0.3654)$

Have a look what the booklet for
Yxy(100.0000, 0.2803, 0.3654)
contains.

Yxy(87.6971, 0.2790, 0.3464)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.6971, 0.2790, 0.3464)

Conversions

Conversions Part 1

Format	Color
Hex	B6FFEF
RGB	182, 255, 239
RGB Percent	71%, 100%, 94%
CMY	0.2861, 0.0000, 0.0629
CMYK	0.29, 0.00, 0.06, 0.00
HSL	167°, 100%, 86%
HSV	167°, 29%, 100%
XYZ	70.6336, 87.6971, 94.8364
YIQ	231.3490, -38.3720, -20.4520

Conversions

Conversions Part 2

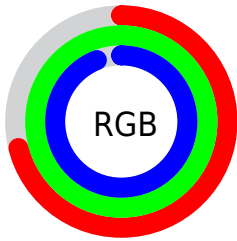
Format	Color
R_{YB}	182, 223, 255
Decimal	11993071
CIE _{Lab}	95.03, -25.70, 0.44
CIE _{LCh}	95, 25.704, 179.028
Yxy	87.6971, 0.2790, 0.3464
Android (android.graphics.Color)	4290183151 (0xFFB6FFEF)
YUV	231.3490, 3.7719, -43.2791
Hunter-Lab	93.6467, -29.2470, 5.5095

Details

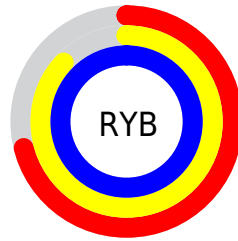
The Yxy color **87.6971, 0.2790, 0.3464** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.8135, 0.3622, 0.3125**, and the grayscale version is **80.1832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **48.3191, 0.2718, 0.3502** is the 20% darker color. If you saturate the color by 10%, you get **84.5458, 0.2690, 0.3535**, and if you desaturate by 10%, it is **91.4297, 0.2901, 0.3398**.

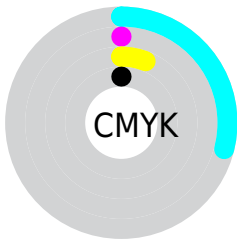
Distribution



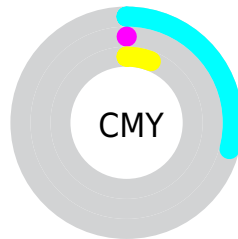
- Red (71%)
- Green (100%)
- Blue (94%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6971, 0.2790, 0.3464 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 87.6971, 0.2790, 0.3464 by changing the saturation by 10% instead.


 87.6971, 0.2790,
0.3464

 87.6971, 0.2790,
0.3464


520.5108, 0.2941,
0.3386

 66.0722, 0.2757,
0.3481


 144.1354, 0.2841,
0.3438

 48.3310, 0.2716,
0.3502


179.7176, 0.2861,
0.3427

 34.0891, 0.2666,
0.3528


220.7211, 0.2879,
0.3418

 22.9621, 0.2602,
0.3561

267.5302, 0.2894,
0.3410

 14.5655, 0.2517,
0.3605

320.5293, 0.2908,
0.3403

 8.5150, 0.2401,
0.3666

380.1028, 0.2920,

 4.4262, 0.2229,

0.3397

0.3756

446.6352, 0.2931,
0.3391

1.9147, 0.1955,
0.3901

0.5572, 0.0000,
0.4916

87.6971, 0.2790,
0.3464

87.6971, 0.2790,
0.3464

84.5458, 0.2690,
0.3535

91.4297, 0.2901,
0.3398

81.9364, 0.2604,
0.3610

95.7636, 0.3020,
0.3338

79.8381, 0.2535,
0.3689

100.0000, 0.3127,
0.3290

78.2134, 0.2484,
0.3770

■ 77.0195, 0.2454,
0.3852

■ 76.2058, 0.2443,
0.3934

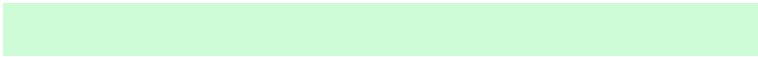
■ 75.7004, 0.2450,
0.4015

■ 75.6413, 0.2452,
0.4026

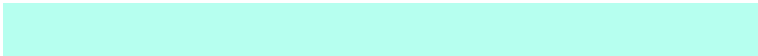
Harmonies

Analogous

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



87.6971, 0.3052, 0.3699



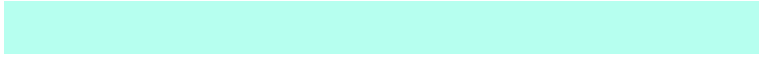
87.6971, 0.2790, 0.3464



87.6971, 0.2621, 0.3186

Triad

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



87.6971, 0.2790, 0.3464



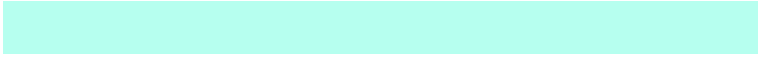
87.6971, 0.2896, 0.2820



87.6971, 0.3703, 0.3590

Complementary

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



87.6971, 0.2790, 0.3464



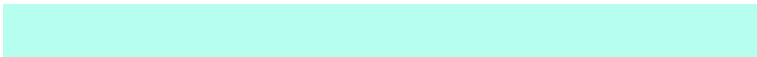
58.8135, 0.3622, 0.3125

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.



87.6971, 0.3660, 0.3355



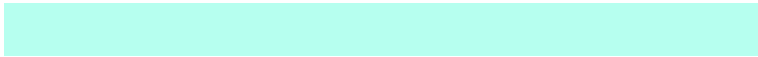
87.6971, 0.2790, 0.3464



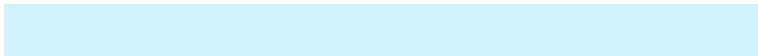
87.6971, 0.3183, 0.2925

Square

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



87.6971, 0.2790, 0.3464



87.6971, 0.2680, 0.2827



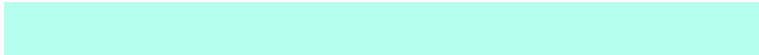
87.6971, 0.3466, 0.3117



87.6971, 0.3583, 0.3760

Rectangle

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



87.6971, 0.2790, 0.3464



87.6971, 0.2580, 0.3023



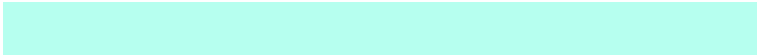
87.6971, 0.3466, 0.3117



87.6971, 0.3707, 0.3515

Sweetspot

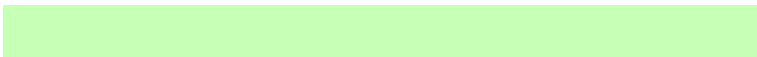
The Sweet Spot groups the original color and five complimentary colors.



87.7000, 0.2790, 0.3464



95.5835, 0.3016, 0.3340



87.0501, 0.3192, 0.4100



20.3163, 0.2998, 0.3348



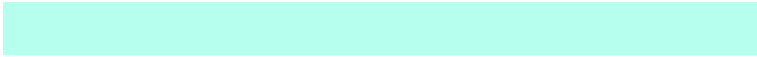
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

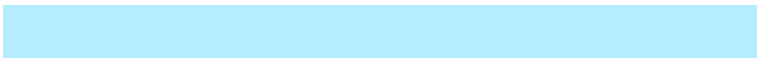
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7000, 0.2790, 0.3464



85.9307, 0.2735, 0.3502



76.8989, 0.2688, 0.3076



20.4091, 0.3009, 0.3343



39.5475, 0.2448, 0.4013



3.8667, 0.2422, 0.3920

Inverse Universe

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



58.8135, 0.3622, 0.3125



52.9793, 0.3753, 0.3092



66.6444, 0.3706, 0.3494



18.0524, 0.3260, 0.3238



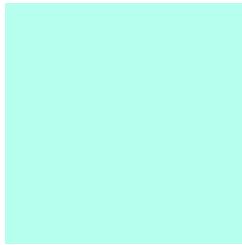
11.2762, 0.6026, 0.3093



1.1134, 0.5720, 0.2925

Previews

White Background



This preview shows how the Yxy color 87.6971, 0.2790, 0.3464 looks on a white background.

Color Contrast Check

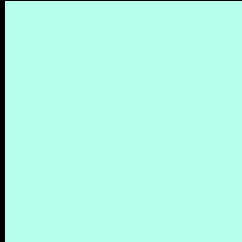
Large Text (above 18pt) WCAG AA × Fail

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 87.6971, 0.2790, 0.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

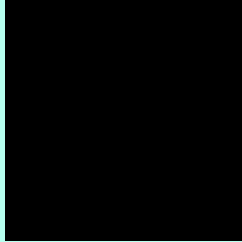
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6971, 0.2790, 0.3464

Background



This preview shows how black text looks on a background with the Yxy color 87.6971, 0.2790, 0.3464.

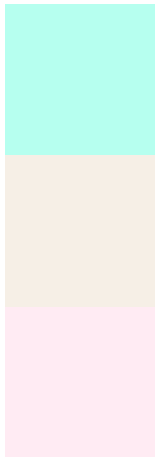


This preview shows how white text looks on a background with the Yxy color 87.6971, 0.2790, 0.3464.

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

87.6971, 0.2790, 0.3464

Protanopia

87.0390, 0.3230, 0.3380

Deuteranopia

87.1477, 0.3211, 0.3212



Tritanopia

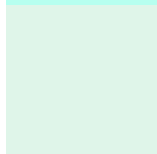
87.2765, 0.2896, 0.3187

Trichromacy



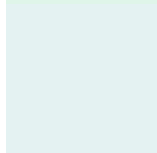
Original Color

87.6971, 0.2790, 0.3464



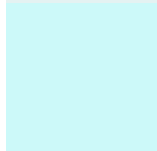
Protanomaly

86.8760, 0.3058, 0.3415



Deuteranomaly

86.4090, 0.3037, 0.3290



Tritanomaly

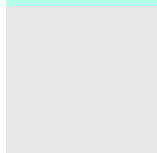
87.4283, 0.2855, 0.3289

Monochromacy



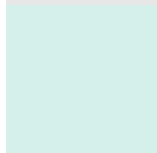
Original Color

87.6971, 0.2790, 0.3464



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4068, 0.2989, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6971, 0.2790, 0.3464 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(182, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 239)  
}
```

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(182, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 87.6971, 0.2790, 0.3464 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(182, 255, 239) }
```

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

```
.border{ border-color:rgb(182, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6971, 0.2790, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 239) }
```

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

```
.background{ background-color: rgb(182,  
255, 239) }
```

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