

Converting Colors

$Yxy(87.6268, 0.2706, 0.3346)$

Have a look what the booklet for
Yxy(87.6268, 0.2706, 0.3346)
contains.

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Color

Yxy(87.6522, 0.2705, 0.3343)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B0FFFA |
| RGB | 176, 255, 250 |
| RGB Percent | 69%, 100%, 98% |
| CMY | 0.3097, 0.0000, 0.0196 |
| CMYK | 0.31, 0.00, 0.02, 0.00 |
| HSL | 176°, 100%, 85% |
| HSV | 176°, 31%, 100% |
| XYZ | 70.9241, 87.6522, 103.6200 |
| YIQ | 230.8090, -45.4790, -18.3030 |

Conversions

Conversions Part 2

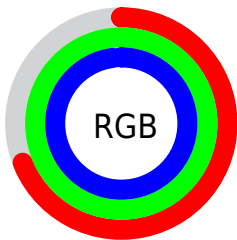
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 176, 217, 255 |
| Decimal | 11599866 |
| CIELab | 95.01, -25.00, -5.32 |
| CIELCh | 95, 25.558, 192.015 |
| Yxy | 87.6522, 0.2705, 0.3343 |
| Android (android.graphics.Color) | 4289789946 (0xFFB0FFFA) |
| YUV | 230.8090, 9.4612, -48.0675 |
| Hunter-Lab | 93.6228, -28.6168, -0.0852 |

Details

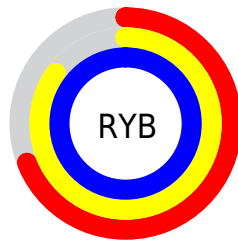
The Yxy color **87.6522, 0.2705, 0.3343** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.6606, 0.3790, 0.3239**, and the grayscale version is **79.7219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **48.2763, 0.2611, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **84.8556, 0.2593, 0.3363**, and if you desaturate by 10%, it is **91.0150, 0.2831, 0.3324**.

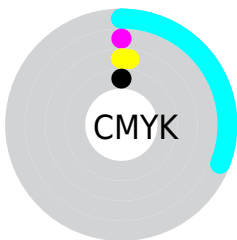
Distribution



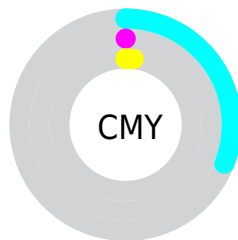
- Red (69%)
- Green (100%)
- Blue (98%)



- Red (69%)
- Yellow (85%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6522, 0.2705, 0.3343 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 87.6522, 0.2705, 0.3343 by changing the saturation by 10% instead.

 87.6522, 0.2705,
0.3343

 87.6522, 0.2705,
0.3343


520.3636, 0.2892,
0.3322

 66.0351, 0.2664,
0.3347

 144.0728, 0.2768,
0.3336

 48.3009, 0.2615,
0.3352


179.6452, 0.2793,
0.3334

 34.0652, 0.2554,
0.3357


220.6380, 0.2815,
0.3331

 22.9437, 0.2476,
0.3363

267.4357, 0.2834,
0.3329

 14.5519, 0.2374,
0.3371

320.4227, 0.2851,
0.3327

 8.5055, 0.2235,
0.3378

379.9835, 0.2866,

 4.4201, 0.2036,

0.3325

446.5023, 0.2880,
0.3323

0.3384

1.9112, 0.1727,
0.3381

0.5551, 0.0000,
0.3625

87.6522, 0.2705,
0.3343

87.6522, 0.2705,
0.3343

84.8556, 0.2593,
0.3363

91.0150, 0.2831,
0.3324

82.5833, 0.2498,
0.3383

94.9624, 0.2968,
0.3307


80.8045, 0.2421,
0.3404

99.5247, 0.3113,
0.3291

79.4806, 0.2364,
0.3426

99.9999, 0.3127,
0.3290

 78.5674, 0.2326,
0.3447

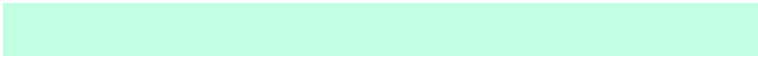
 78.0120, 0.2307,
0.3469

 77.7430, 0.2302,
0.3488

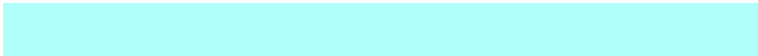
Harmonies

Analogous

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



87.6522, 0.2932, 0.3607



87.6522, 0.2705, 0.3343



87.6522, 0.2590, 0.3078

Triad

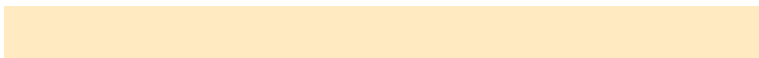
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6522, 0.2705, 0.3343



87.6522, 0.3016, 0.2855



87.6522, 0.3666, 0.3673

Complementary

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



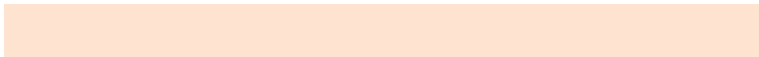
87.6522, 0.2705, 0.3343



55.6606, 0.3790, 0.3239

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.



87.6522, 0.3696, 0.3460



87.6522, 0.2705, 0.3343



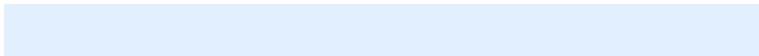
87.6522, 0.3310, 0.3001

Square

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



87.6522, 0.2705, 0.3343



87.6522, 0.2763, 0.2812



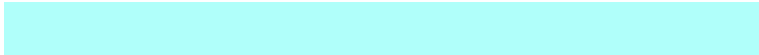
87.6522, 0.3563, 0.3218



87.6522, 0.3489, 0.3796

Rectangle

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



87.6522, 0.2705, 0.3343



87.6522, 0.2589, 0.2939



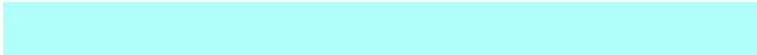
87.6522, 0.3563, 0.3218



87.6522, 0.3694, 0.3609

Sweetspot

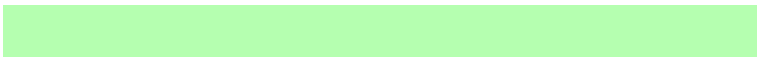
The Sweet Spot groups the original color and five complimentary colors.



87.6557, 0.2705, 0.3343



95.8109, 0.2996, 0.3304



84.5154, 0.3115, 0.4198



20.3727, 0.2975, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

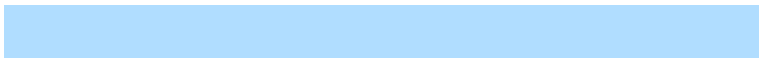
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6557, 0.2705, 0.3343



85.9018, 0.2636, 0.3355



68.0507, 0.2636, 0.2904



20.4604, 0.2989, 0.3305



40.6309, 0.2301, 0.3484



3.9619, 0.2295, 0.3460

Inverse Universe

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



55.6606, 0.3790, 0.3239



49.4038, 0.3979, 0.3230



70.6131, 0.3726, 0.3645



18.0057, 0.3284, 0.3275



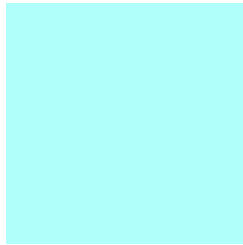
11.1356, 0.6337, 0.3264



1.0905, 0.6190, 0.3183

Previews

White Background



This preview shows how the Yxy color 87.6522, 0.2705, 0.3343 looks on a white background.

Color Contrast Check

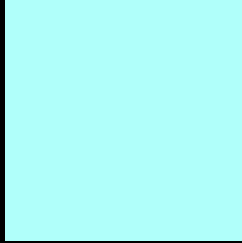
Large Text (above 18pt) WCAG AA × Fail

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 87.6522, 0.2705, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

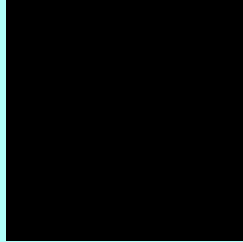
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

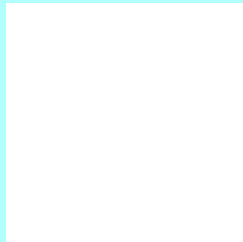
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6522, 0.2705, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 87.6522, 0.2705, 0.3343.

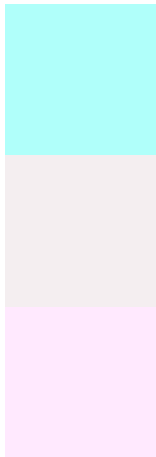


This preview shows how white text looks on a background with the Yxy color 87.6522, 0.2705, 0.3343.

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

87.6522, 0.2705, 0.3343

Protanopia

86.6734, 0.3155, 0.3270

Deuteranopia

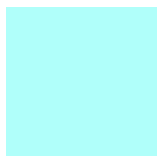
86.6936, 0.3143, 0.3087



Tritanopia

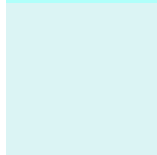
86.9719, 0.2884, 0.3186

Trichromacy



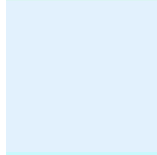
Original Color

87.6522, 0.2705, 0.3343



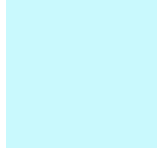
Protanomaly

86.2931, 0.2969, 0.3290



Deuteranomaly

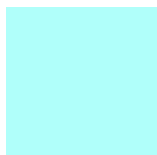
86.1712, 0.2961, 0.3168



Tritanomaly

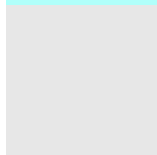
87.2607, 0.2817, 0.3247

Monochromacy



Original Color

87.6522, 0.2705, 0.3343



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3421, 0.2954, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6522, 0.2705, 0.3343 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(176, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 250)  
}
```

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(176, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 87.6522, 0.2705, 0.3343 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(176, 255, 250) }
```

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

```
.border{ border-color:rgb(176, 255, 250) }
```

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

Here you see how a box with a 4 pixel rgb(176, 255, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6522, 0.2705, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 250) }
```

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

```
.background{ background-color: rgb(176,  
255, 250) }
```

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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