

Converting Colors

$Yxy(85.0018, 0.2710, 0.3322)$

Have a look what the booklet for
Yxy(85.0018, 0.2710, 0.3322)
contains.

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Color

Yxy(85.0018, 0.2710, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	B0FBF8
RGB	176, 251, 248
RGB Percent	69%, 98%, 97%
CMY	0.3098, 0.0157, 0.0276
CMYK	0.30, 0.00, 0.01, 0.02
HSL	178°, 90%, 84%
HSV	178°, 30%, 98%
XYZ	69.3422, 85.0018, 101.5313
YIQ	228.2330, -43.7370, -16.8330

Conversions

Conversions Part 2

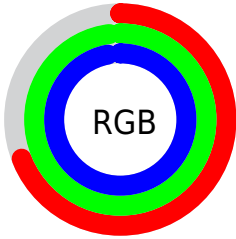
Format	Color
RYB	176, 214, 251
Decimal	11598840
CIELab	93.88, -23.52, -5.94
CIELCh	94, 24.261, 194.169
Yxy	85.0018, 0.2710, 0.3322
Android (android.graphics.Color)	4289788920 (0xFFB0FBF8)
YUV	228.2330, 9.7451, -45.8083
Hunter-Lab	92.1964, -27.0914, -0.7556

Details

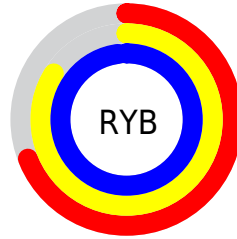
The Yxy color **85.0018, 0.2710, 0.3322** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.8227, 0.3773, 0.3260**, and the grayscale version is **77.7161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **46.4543, 0.2620, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **82.2816, 0.2595, 0.3334**, and if you desaturate by 10%, it is **88.2701, 0.2840, 0.3310**.

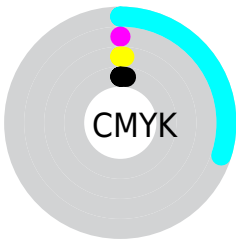
Distribution



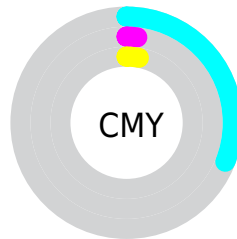
- Red (69%)
- Green (98%)
- Blue (97%)



- Red (69%)
- Yellow (84%)
- Blue (98%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)




- Cyan (31%)
- Magenta (2%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0018, 0.2710, 0.3322 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 85.0018, 0.2710, 0.3322 by changing the saturation by 10% instead.


 85.0018, 0.2710,
0.3322

 85.0018, 0.2710,
0.3322


511.6340, 0.2896,
0.3310

 63.8429, 0.2669,
0.3324


 140.3757, 0.2773,
0.3319

 46.5234, 0.2620,
0.3326


175.3594, 0.2798,
0.3317

 32.6591, 0.2558,
0.3328


215.7202, 0.2820,
0.3316

 21.8654, 0.2480,
0.3330

261.8425, 0.2839,
0.3314

 13.7580, 0.2378,
0.3332

314.1106, 0.2855,
0.3313

 7.9526, 0.2237,
0.3331


372.9090, 0.2870,


 4.0646, 0.2033,

0.3312


438.6220, 0.2884,
0.3311


0.3325


 1.7098, 0.1713,
0.3301


 0.4300, 0.0000,
0.3274


 85.0018, 0.2710,
0.3322


 85.0018, 0.2710,
0.3322


 82.2816, 0.2595,
0.3334


 88.2701, 0.2840,
0.3310


 80.0694, 0.2496,
0.3347


 92.1039, 0.2980,
0.3300


 78.3358, 0.2415,
0.3360


 96.5323, 0.3129,
0.3290

 77.0445, 0.2354,
0.3374

 97.2889, 0.3146,
0.3280

 76.1534, 0.2313,
0.3387

 97.3536, 0.3140,
0.3271

 75.6130, 0.2290,
0.3401

 97.4186, 0.3134,
0.3261

 75.3421, 0.2282,
0.3414

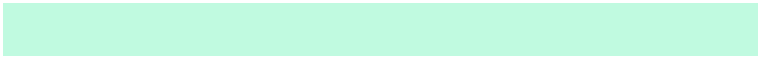
 97.4784, 0.3129,
0.3252

 75.3394, 0.2282,
0.3414

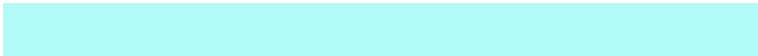
Harmonies

Analogous

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



85.0018, 0.2922, 0.3577



85.0018, 0.2710, 0.3322



85.0018, 0.2609, 0.3071

Triad

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



85.0018, 0.2710, 0.3322



85.0018, 0.3040, 0.2879



85.0018, 0.3636, 0.3670

Complementary

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



85.0018, 0.2710, 0.3322



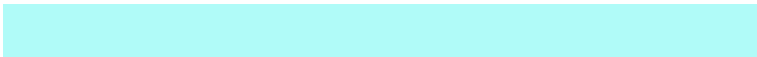
54.8227, 0.3773, 0.3260

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.



85.0018, 0.3675, 0.3470



85.0018, 0.2710, 0.3322



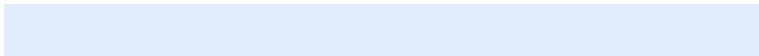
85.0018, 0.3322, 0.3026

Square

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



85.0018, 0.2710, 0.3322



85.0018, 0.2792, 0.2830



85.0018, 0.3559, 0.3237



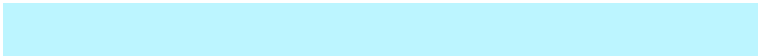
85.0018, 0.3458, 0.3778

Rectangle

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



85.0018, 0.2710, 0.3322



85.0018, 0.2614, 0.2942



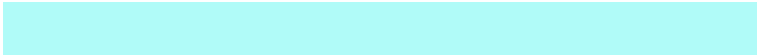
85.0018, 0.3559, 0.3237



85.0018, 0.3667, 0.3611

Sweetspot

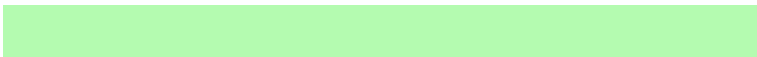
The Sweet Spot groups the original color and five complimentary colors.



85.0052, 0.2710, 0.3322



95.8444, 0.2993, 0.3299



81.8082, 0.3109, 0.4162



20.3810, 0.2972, 0.3300



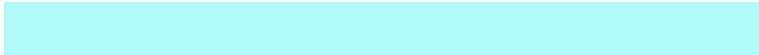
0.0000, 0.0000, 0.0000



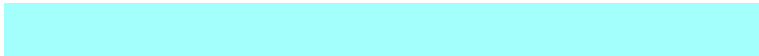
21.4041, 0.3127, 0.3290

Same Dimension

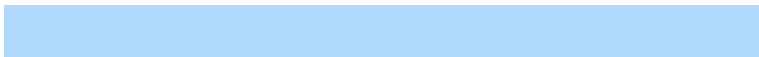
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0052, 0.2710, 0.3322



86.3104, 0.2637, 0.3330



65.9564, 0.2652, 0.2906



19.5957, 0.2986, 0.3299



39.6046, 0.2281, 0.3412



3.6717, 0.2277, 0.3396

Inverse Universe

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



54.8227, 0.3773, 0.3260



50.3125, 0.3966, 0.3253



69.6201, 0.3696, 0.3644



17.2366, 0.3288, 0.3281



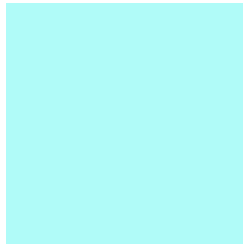
10.7972, 0.6359, 0.3277



1.0039, 0.6258, 0.3221

Previews

White Background



This preview shows how the Yxy color 85.0018, 0.2710, 0.3322 looks on a white background.

Color Contrast Check

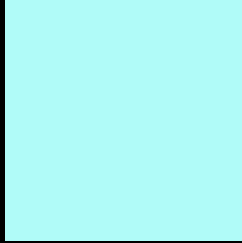
Large Text (above 18pt) WCAG AA × Fail

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 85.0018, 0.2710, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

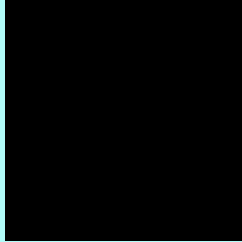
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0018, 0.2710, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 85.0018, 0.2710, 0.3322.

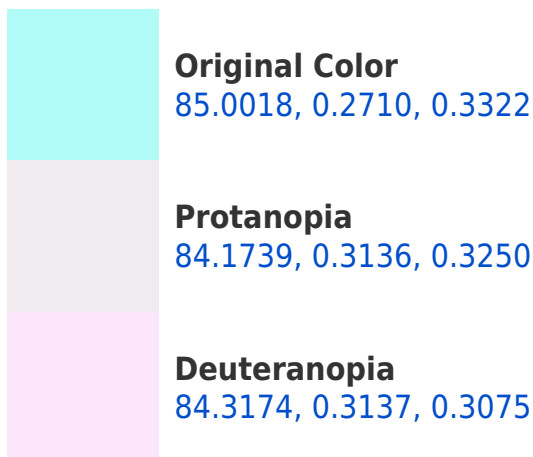


This preview shows how white text looks on a background with the Yxy color 85.0018, 0.2710, 0.3322.

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





Tritanopia

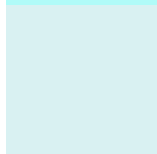
84.5866, 0.2836, 0.3164

Trichromacy



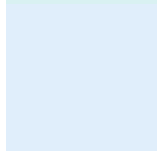
Original Color

85.0018, 0.2710, 0.3322



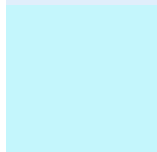
Protanomaly

84.0731, 0.2968, 0.3279



Deuteranomaly

83.9614, 0.2960, 0.3156



Tritanomaly

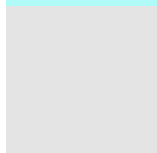
84.6756, 0.2792, 0.3225

Monochromacy



Original Color

85.0018, 0.2710, 0.3322



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.5444, 0.2958, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0018, 0.2710, 0.3322 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, 251, 248)` looks like.

```
.text, #text, p{  
    color:rgb(176, 251, 248)  
}
```

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, 251, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 251, 248) }
```

Border

The CSS property to change the border of an element to Yxy 85.0018, 0.2710, 0.3322 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, 251, 248) }
```

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

```
.border{ border-color:rgb(176, 251, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 251, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 251, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 251, 248);  
box-shadow:4px 4px 4px 4px rgb(176, 251,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0018, 0.2710, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 251, 248) }
```

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

```
.background{ background-color: rgb(176,  
251, 248) }
```

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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