

Converting Colors

$Yxy(84.8777, 0.2764, 0.3408)$

Have a look what the booklet for
Yxy(84.8777, 0.2764, 0.3408)
contains.

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Color

Yxy(84.8693, 0.2765, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	B3FBF0
RGB	179, 251, 240
RGB Percent	70%, 98%, 94%
CMY	0.2980, 0.0157, 0.0588
CMYK	0.29, 0.00, 0.04, 0.02
HSL	171°, 90%, 84%
HSV	171°, 29%, 98%
XYZ	68.8163, 84.8693, 95.1980
YIQ	228.2180, -39.3810, -18.6850

Conversions

Conversions Part 2

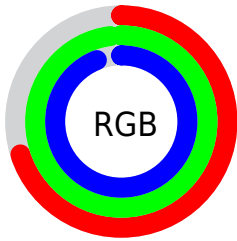
Format	Color
RYB	179, 218, 251
Decimal	11795440
CIELab	93.83, -24.42, -1.89
CIElCh	94, 24.490, 184.418
Yxy	84.8693, 0.2765, 0.3410
Android (android.graphics.Color)	4289985520 (0xFFB3FBF0)
YUV	228.2180, 5.8085, -43.1642
Hunter-Lab	92.1245, -27.8798, 3.2192

Details

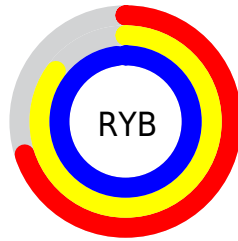
The Yxy color **84.8693, 0.2765, 0.3410** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.4683, 0.3666, 0.3175**, and the grayscale version is **77.7315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **46.3294, 0.2686, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **81.9237, 0.2658, 0.3458**, and if you desaturate by 10%, it is **88.3709, 0.2884, 0.3365**.

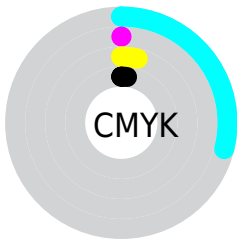
Distribution



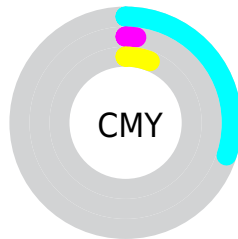
- Red (70%)
- Green (98%)
- Blue (94%)



- Red (70%)
- Yellow (85%)
- Blue (98%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)




- Cyan (30%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8693, 0.2765, 0.3410 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 84.8693, 0.2765, 0.3410 by changing the saturation by 10% instead.


 84.8693, 0.2765,
0.3410

 84.8693, 0.2765,
0.3410


511.1955, 0.2927,
0.3357

 63.7334, 0.2729,
0.3421


 140.1906, 0.2820,
0.3392

 46.4348, 0.2686,
0.3435


175.1447, 0.2842,
0.3385

 32.5890, 0.2631,
0.3453


215.4737, 0.2861,
0.3379

 21.8118, 0.2562,
0.3474

261.5620, 0.2877,
0.3373

 13.7187, 0.2470,
0.3503

313.7939, 0.2892,
0.3369

 7.9253, 0.2343,
0.3541

372.5538, 0.2905,

 4.0472, 0.2157,

0.3364

0.3596

438.2262, 0.2917,
0.3361

1.7000, 0.1859,
0.3679

0.4236, 0.0000,
0.4166

84.8693, 0.2765,
0.3410

84.8693, 0.2765,
0.3410

81.9237, 0.2658,
0.3458

88.3709, 0.2884,
0.3365

79.4943, 0.2567,
0.3510

92.4455, 0.3011,
0.3323

77.5520, 0.2492,
0.3563

97.1222, 0.3145,
0.3285

76.0608, 0.2437,
0.3617

97.4771, 0.3129,
0.3252

■ 74.9797, 0.2401,
0.3672

■ 74.2599, 0.2385,
0.3727

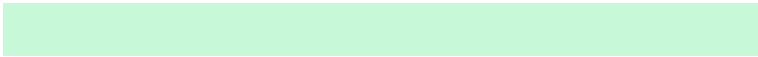
■ 73.8315, 0.2385,
0.3781

■ 73.7846, 0.2386,
0.3788

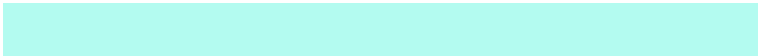
Harmonies

Analogous

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



84.8693, 0.3006, 0.3650



84.8693, 0.2765, 0.3410



84.8693, 0.2623, 0.3145

Triad

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



84.8693, 0.2765, 0.3410



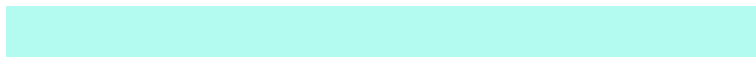
84.8693, 0.2951, 0.2847



84.8693, 0.3672, 0.3615

Complementary

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



84.8693, 0.2765, 0.3410



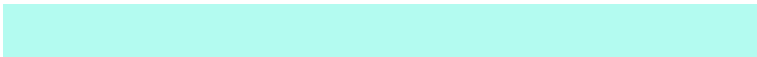
56.4683, 0.3666, 0.3175

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.



84.8693, 0.3659, 0.3396



84.8693, 0.2765, 0.3410



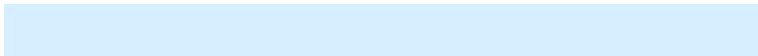
84.8693, 0.3233, 0.2966

Square

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



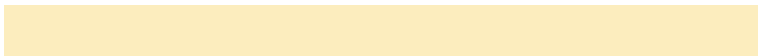
84.8693, 0.2765, 0.3410



84.8693, 0.2726, 0.2834



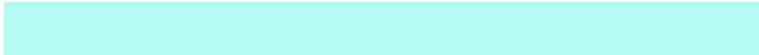
84.8693, 0.3496, 0.3163



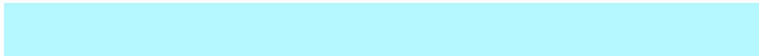
84.8693, 0.3532, 0.3761

Rectangle

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



84.8693, 0.2765, 0.3410



84.8693, 0.2599, 0.2997



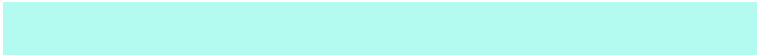
84.8693, 0.3496, 0.3163



84.8693, 0.3685, 0.3547

Sweetspot

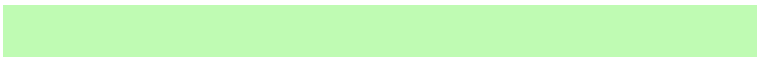
The Sweet Spot groups the original color and five complimentary colors.



84.8727, 0.2765, 0.3410



95.6805, 0.3007, 0.3324



83.3284, 0.3162, 0.4109



20.3404, 0.2988, 0.3330



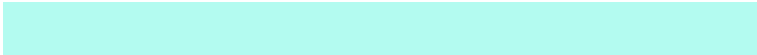
0.0000, 0.0000, 0.0000



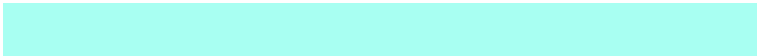
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8727, 0.2765, 0.3410



86.2742, 0.2706, 0.3436



71.4892, 0.2682, 0.3020



19.5604, 0.3001, 0.3326



38.8003, 0.2383, 0.3779



3.6055, 0.2365, 0.3714

Inverse Universe

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



56.4683, 0.3666, 0.3175



52.7346, 0.3808, 0.3153



66.4777, 0.3693, 0.3544



17.2684, 0.3270, 0.3254



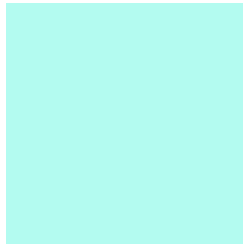
10.8683, 0.6191, 0.3184



1.0189, 0.5904, 0.3026

Previews

White Background



This preview shows how the Yxy color 84.8693, 0.2765, 0.3410 looks on a white background.

Color Contrast Check

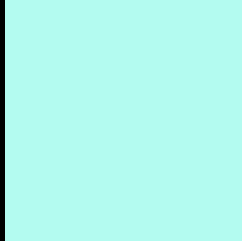
Large Text (above 18pt) WCAG AA × Fail

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 84.8693, 0.2765, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

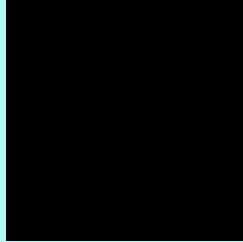
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

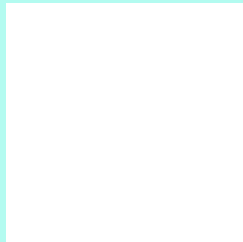
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8693, 0.2765, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 84.8693, 0.2765, 0.3410.

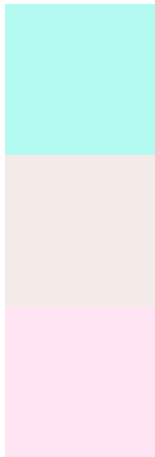


This preview shows how white text looks on a background with the Yxy color 84.8693, 0.2765, 0.3410.

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

84.8693, 0.2765, 0.3410

Protanopia

84.0634, 0.3199, 0.3331

Deuteranopia

83.8303, 0.3209, 0.3144



Tritanopia

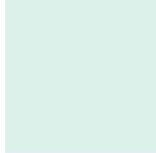
84.7311, 0.2842, 0.3164

Trichromacy



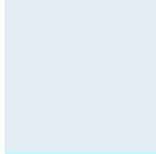
Original Color

84.8693, 0.2765, 0.3410



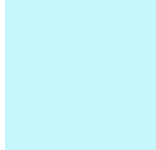
Protanomaly

83.9112, 0.3027, 0.3363



Deuteranomaly

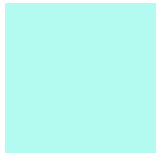
83.3703, 0.3025, 0.3228



Tritanomaly

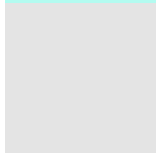
84.6840, 0.2808, 0.3246

Monochromacy



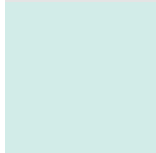
Original Color

84.8693, 0.2765, 0.3410



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.5187, 0.2982, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8693, 0.2765, 0.3410 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(179, 251, 240)` looks like.

```
.text, #text, p{  
    color:rgb(179, 251, 240)  
}
```

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(179, 251, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 251, 240) }
```

Border

The CSS property to change the border of an element to Yxy 84.8693, 0.2765, 0.3410 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(179, 251, 240) }
```

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

```
.border{ border-color:rgb(179, 251, 240) }
```

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

Here you see how a box with a 4 pixel rgb(179, 251, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 251, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 251, 240);  
box-shadow:4px 4px 4px 4px rgb(179, 251,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8693, 0.2765, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 251, 240) }
```

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

```
.background{ background-color: rgb(179,  
251, 240) }
```

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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