

Converting Colors

$Yxy(87.1120, 0.2785, 0.3496)$

Have a look what the booklet for
Yxy(87.1120, 0.2785, 0.3496)
contains.

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Color

Yxy(87.0411, 0.2784, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFEC
RGB	178, 255, 236
RGB Percent	70%, 100%, 93%
CMY	0.3017, 0.0000, 0.0745
CMYK	0.30, 0.00, 0.07, 0.00
HSL	165°, 100%, 85%
HSV	165°, 30%, 100%
XYZ	69.2746, 87.0411, 92.5154
YIQ	229.8110, -39.7930, -22.2330

Conversions

Conversions Part 2

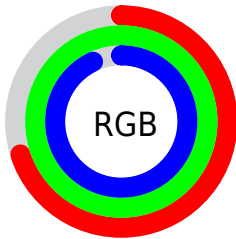
Format	Color
RYB	178, 222, 255
Decimal	11730924
CIELab	94.76, -27.43, 1.53
CIElCh	95, 27.470, 176.810
Yxy	87.0411, 0.2784, 0.3498
Android (android.graphics.Color)	4289921004 (0xFFB2FFEC)
YUV	229.8110, 3.0512, -45.4382
Hunter-Lab	93.2958, -30.7268, 6.5130

Details

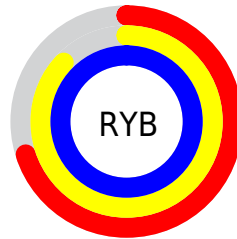
The Yxy color **87.0411, 0.2784, 0.3498** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.1635, 0.3640, 0.3094**, and the grayscale version is **78.9967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.8944, 0.2711, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **83.9425, 0.2689, 0.3579**, and if you desaturate by 10%, it is **90.7203, 0.2891, 0.3423**.

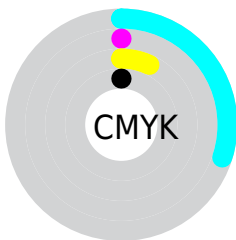
Distribution



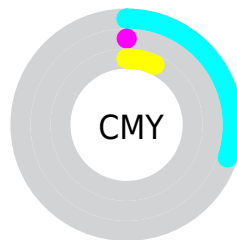
- Red (70%)
- Green (100%)
- Blue (93%)



- Red (70%)
- Yellow (87%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0411, 0.2784, 0.3498 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 87.0411, 0.2784, 0.3498 by changing the saturation by 10% instead.

 87.0411, 0.2784,
0.3498

 87.0411, 0.2784,
0.3498

518.3579, 0.2938,
0.3404

 65.5292, 0.2750,
0.3519


 143.2214, 0.2836,
0.3466

 47.8903, 0.2709,
0.3544

178.6587, 0.2857,
0.3453

 33.7400, 0.2657,
0.3576


219.5065, 0.2875,
0.3443

 22.6940, 0.2591,
0.3617

266.1492, 0.2891,
0.3433

 14.3677, 0.2504,
0.3671

318.9714, 0.2904,
0.3425

 8.3768, 0.2383,
0.3747

378.3573, 0.2917,

 4.3370, 0.2205,

0.3417

0.3860

444.6913, 0.2928,
0.3410

■ 1.8638, 0.1919,
0.4046

■ 0.5265, 0.0000,
0.5303

■ 87.0411, 0.2784,
0.3498

■ 87.0411, 0.2784,
0.3498

■ 83.9425, 0.2689,
0.3579

■ 90.7203, 0.2891,
0.3423

■ 81.3827, 0.2607,
0.3665


■ 94.9984, 0.3005,
0.3354


■ 79.3309, 0.2543,
0.3755

99.9057, 0.3125,
0.3291

■ 77.7490, 0.2498,
0.3847

99.9935, 0.3127,
0.3290

 76.5930, 0.2473,
0.3940

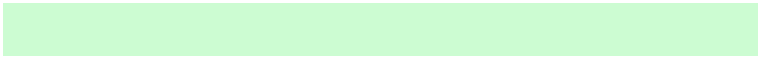
 75.8108, 0.2468,
0.4033

 75.3227, 0.2479,
0.4123

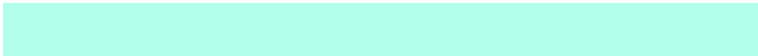
Harmonies

Analogous

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



87.0411, 0.3069, 0.3744



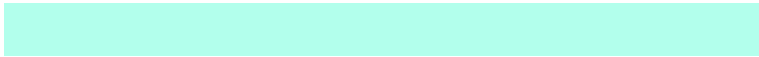
87.0411, 0.2784, 0.3498



87.0411, 0.2596, 0.3199

Triad

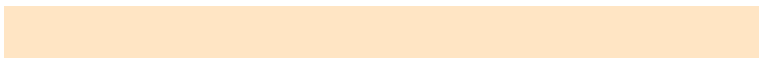
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0411, 0.2784, 0.3498



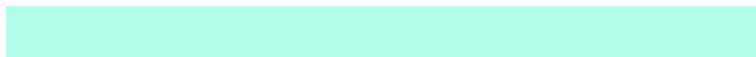
87.0411, 0.2858, 0.2785



87.0411, 0.3747, 0.3592

Complementary

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



87.0411, 0.2784, 0.3498



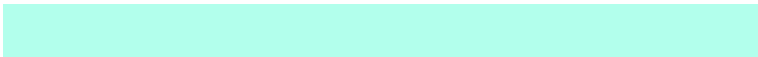
57.1635, 0.3640, 0.3094

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.



87.0411, 0.3688, 0.3339



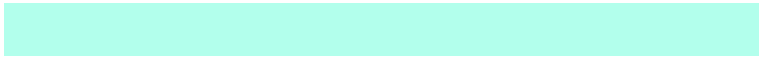
87.0411, 0.2784, 0.3498



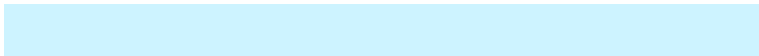
87.0411, 0.3162, 0.2889

Square

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



87.0411, 0.2784, 0.3498



87.0411, 0.2637, 0.2801



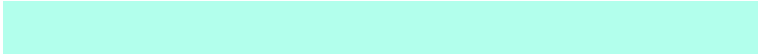
87.0411, 0.3470, 0.3087



87.0411, 0.3630, 0.3783

Rectangle

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



87.0411, 0.2784, 0.3498



87.0411, 0.2545, 0.3020



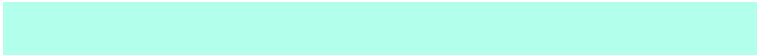
87.0411, 0.3470, 0.3087



87.0411, 0.3747, 0.3511

Sweetspot

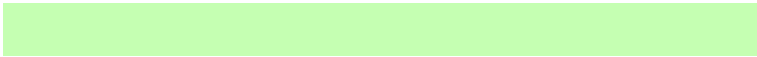
The Sweet Spot groups the original color and five complimentary colors.



87.0446, 0.2784, 0.3498



95.5448, 0.3019, 0.3346



86.6427, 0.3203, 0.4147



20.3068, 0.3002, 0.3356



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

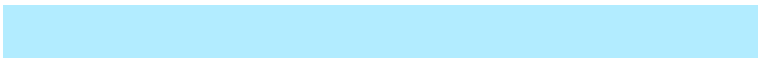
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0446, 0.2784, 0.3498



85.1738, 0.2727, 0.3545



76.5474, 0.2667, 0.3077



20.4004, 0.3013, 0.3349



39.3863, 0.2475, 0.4108



3.8522, 0.2445, 0.4003

Inverse Universe

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



57.1635, 0.3640, 0.3094



51.0642, 0.3782, 0.3054



64.5471, 0.3750, 0.3492



18.0606, 0.3255, 0.3232



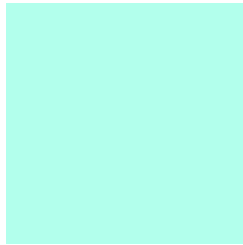
11.3155, 0.5946, 0.3049



1.1182, 0.5632, 0.2876

Previews

White Background



This preview shows how the Yxy color 87.0411, 0.2784, 0.3498 looks on a white background.

Color Contrast Check

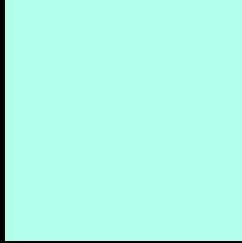
Large Text (above 18pt) WCAG AA × Fail

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 87.0411, 0.2784, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

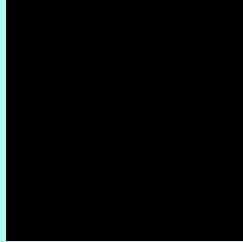
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

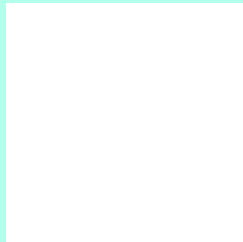
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0411, 0.2784, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 87.0411, 0.2784, 0.3498.

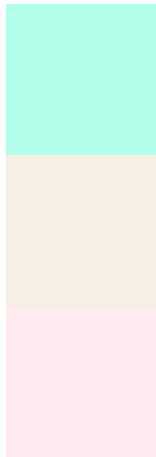


This preview shows how white text looks on a background with the Yxy color 87.0411, 0.2784, 0.3498.

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

87.0411, 0.2784, 0.3498

Protanopia

86.2880, 0.3250, 0.3401

Deuteranopia

86.3969, 0.3231, 0.3232



Tritanopia

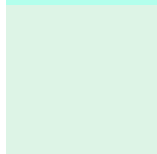
86.8210, 0.2878, 0.3186

Trichromacy



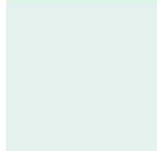
Original Color

87.0411, 0.2784, 0.3498



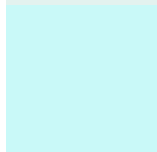
Protanomaly

85.7867, 0.3063, 0.3437



Deuteranomaly

86.0671, 0.3048, 0.3321



Tritanomaly

86.9462, 0.2843, 0.3300

Monochromacy



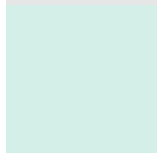
Original Color

87.0411, 0.2784, 0.3498



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4081, 0.2988, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0411, 0.2784, 0.3498 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(178, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 236)  
}
```

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(178, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 87.0411, 0.2784, 0.3498 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(178, 255, 236) }
```

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

```
.border{ border-color:rgb(178, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0411, 0.2784, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 236) }
```

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

```
.background{ background-color: rgb(178,  
255, 236) }
```

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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