

Converting Colors

$Yxy(87.1823, 0.2779, 0.3482)$

Have a look what the booklet for
Yxy(87.1823, 0.2779, 0.3482)
contains.

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Color

Yxy(87.0994, 0.2779, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFED
RGB	178, 255, 237
RGB Percent	70%, 100%, 93%
CMY	0.3017, 0.0000, 0.0706
CMYK	0.30, 0.00, 0.07, 0.00
HSL	166°, 100%, 85%
HSV	166°, 30%, 100%
XYZ	69.4147, 87.0994, 93.2690
YIQ	229.9250, -40.1140, -21.9220

Conversions

Conversions Part 2

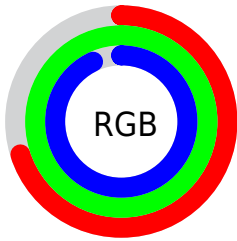
Format	Color
RYB	178, 222, 255
Decimal	11730925
CIELab	94.78, -27.23, 1.06
CIElCh	95, 27.251, 177.775
Yxy	87.0994, 0.2779, 0.3487
Android (android.graphics.Color)	4289921005 (0xFFB2FFED)
YUV	229.9250, 3.4880, -45.5382
Hunter-Lab	93.3271, -30.5577, 6.0758

Details

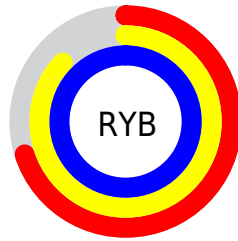
The Yxy color **87.0994, 0.2779, 0.3487** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.1111, 0.3649, 0.3104**, and the grayscale version is **79.0785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.9353, 0.2705, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **84.0176, 0.2682, 0.3564**, and if you desaturate by 10%, it is **90.7606, 0.2887, 0.3416**.

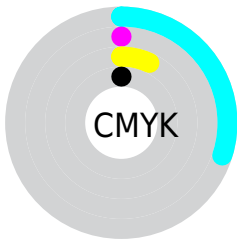
Distribution



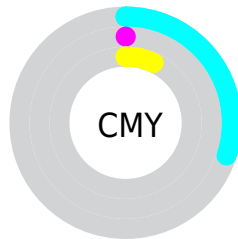
- Red (70%)
- Green (100%)
- Blue (93%)



- 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 87.0994, 0.2779, 0.3487 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 87.0994, 0.2779, 0.3487 by changing the saturation by 10% instead.


 87.0994, 0.2779,
0.3487

 87.0994, 0.2779,
0.3487

518.5494, 0.2935,
0.3399

 65.5775, 0.2745,
0.3507

 143.3027, 0.2832,
0.3457

 47.9295, 0.2703,
0.3531


178.7528, 0.2853,
0.3445

 33.7710, 0.2651,
0.3560


219.6145, 0.2871,
0.3435

 22.7178, 0.2584,
0.3599

266.2721, 0.2887,
0.3426

 14.3852, 0.2496,
0.3650

319.1099, 0.2901,
0.3418

 8.3891, 0.2374,
0.3720

378.5125, 0.2914,

 4.3449, 0.2194,

0.3411

0.3825

444.8642, 0.2925,
0.3404

■ 1.8683, 0.1907,
0.3997

■ 0.5292, 0.0000,
0.5131

■ 87.0994, 0.2779,
0.3487

■ 87.0994, 0.2779,
0.3487

■ 84.0176, 0.2682,
0.3564

■ 90.7606, 0.2887,
0.3416

■ 81.4732, 0.2600,
0.3645

■ 95.0193, 0.3003,
0.3350


■ 79.4357, 0.2535,
0.3729

99.9060, 0.3125,
0.3291

■ 77.8667, 0.2488,
0.3816

99.9970, 0.3127,
0.3290

 76.7226, 0.2462,
0.3904

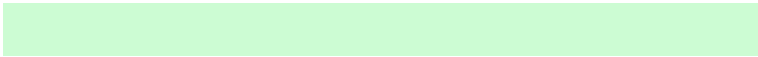
 75.9509, 0.2456,
0.3992

 75.4724, 0.2466,
0.4077

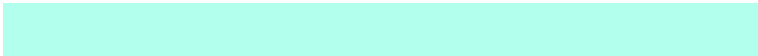
Harmonies

Analogous

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



87.0994, 0.3059, 0.3734



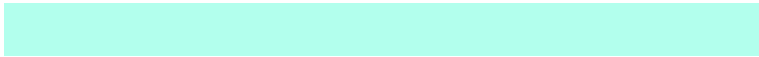
87.0994, 0.2779, 0.3487



87.0994, 0.2596, 0.3190

Triad

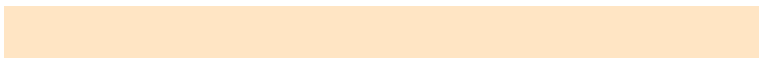
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0994, 0.2779, 0.3487



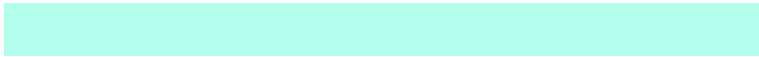
87.0994, 0.2869, 0.2790



87.0994, 0.3740, 0.3597

Complementary

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



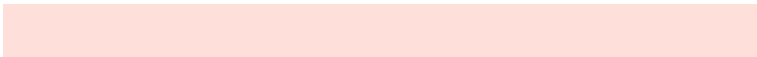
87.0994, 0.2779, 0.3487



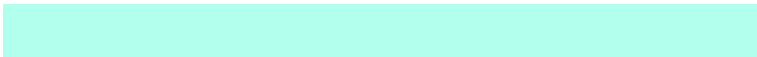
57.1111, 0.3649, 0.3104

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.



87.0994, 0.3688, 0.3347



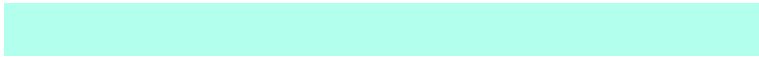
87.0994, 0.2779, 0.3487



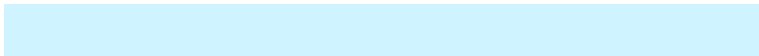
87.0994, 0.3172, 0.2897

Square

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



87.0994, 0.2779, 0.3487



87.0994, 0.2646, 0.2803



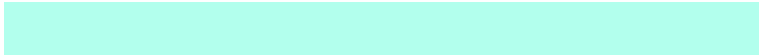
87.0994, 0.3476, 0.3096



87.0994, 0.3620, 0.3783

Rectangle

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



87.0994, 0.2779, 0.3487



87.0994, 0.2548, 0.3015



87.0994, 0.3476, 0.3096



87.0994, 0.3743, 0.3517

Sweetspot

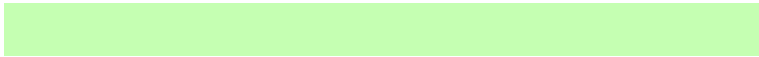
The Sweet Spot groups the original color and five complimentary colors.



87.1029, 0.2779, 0.3487



95.5632, 0.3017, 0.3343



86.6434, 0.3203, 0.4148



20.3113, 0.3000, 0.3352



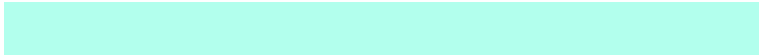
0.0000, 0.0000, 0.0000



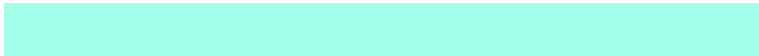
21.4041, 0.3127, 0.3290

Same Dimension

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



87.1029, 0.2779, 0.3487



85.2408, 0.2721, 0.3531



76.5448, 0.2667, 0.3077



20.4045, 0.3011, 0.3346



39.4618, 0.2462, 0.4063



3.8590, 0.2434, 0.3963

Inverse Universe

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



57.1111, 0.3649, 0.3104



51.0146, 0.3793, 0.3067



64.5411, 0.3751, 0.3492



18.0567, 0.3257, 0.3235



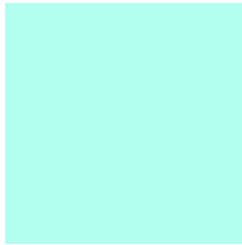
11.2963, 0.5985, 0.3070



1.1159, 0.5674, 0.2899

Previews

White Background



This preview shows how the Yxy color 87.0994, 0.2779, 0.3487 looks on a white background.

Color Contrast Check

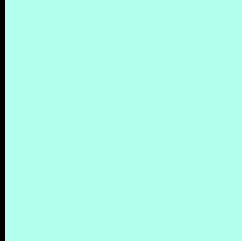
Large Text (above 18pt) WCAG AA × Fail

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 87.0994, 0.2779, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

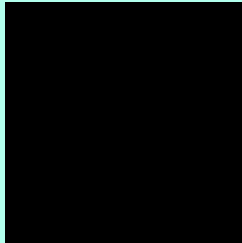
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

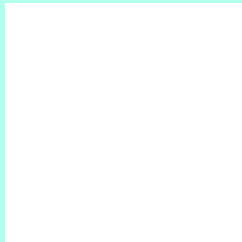
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0994, 0.2779, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 87.0994, 0.2779, 0.3487.



This preview shows how white text looks on a background with the Yxy color 87.0994, 0.2779, 0.3487.

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

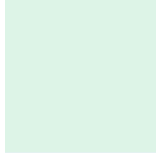
86.9719, 0.2884, 0.3186

Trichromacy



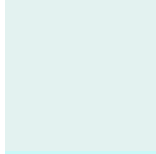
Original Color

87.0994, 0.2779, 0.3487



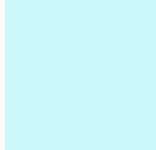
Protanomaly

85.8430, 0.3057, 0.3426



Deuteranomaly

86.1264, 0.3043, 0.3310



Tritanomaly

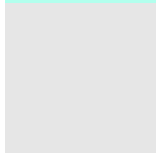
87.0852, 0.2848, 0.3300

Monochromacy



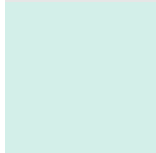
Original Color

87.0994, 0.2779, 0.3487



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4651, 0.2982, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0994, 0.2779, 0.3487 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 87.0994, 0.2779, 0.3487 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, 237) }
```

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

```
.border{ border-color:rgb(178, 255, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0994, 0.2779, 0.3487 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, 237) }
```

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

```
.background{ background-color: rgb(178,  
255, 237) }
```

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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