

Converting Colors

$Y_{xy}(87.0062, 0.2800, 0.3525)$

Have a look what the booklet for
Yxy(87.0062, 0.2800, 0.3525)
contains.

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Color

Yxy(87.0442, 0.2799, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFEA
RGB	179, 255, 234
RGB Percent	70%, 100%, 92%
CMY	0.2981, 0.0000, 0.0825
CMYK	0.30, 0.00, 0.08, 0.00
HSL	163°, 100%, 85%
HSV	163°, 30%, 100%
XYZ	69.1953, 87.0442, 90.9749
YIQ	229.8820, -38.5550, -22.6430

Conversions

Conversions Part 2

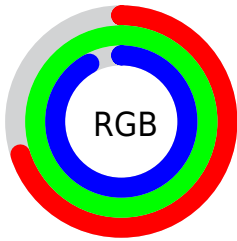
Format	Color
RYB	179, 223, 255
Decimal	11796458
CIELab	94.76, -27.60, 2.59
CIELCh	95, 27.725, 174.644
Yxy	87.0442, 0.2799, 0.3521
Android (android.graphics.Color)	4289986538 (0xFFB3FFEA)
YUV	229.8820, 2.0302, -44.6235
Hunter-Lab	93.2975, -30.8837, 7.4942

Details

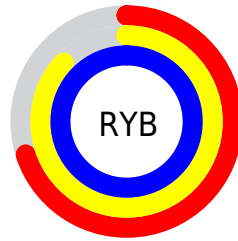
The Yxy color **87.0442, 0.2799, 0.3521** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.6646, 0.3612, 0.3073**, and the grayscale version is **79.0384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **47.8876, 0.2730, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **83.8812, 0.2706, 0.3612**, and if you desaturate by 10%, it is **90.7784, 0.2902, 0.3436**.

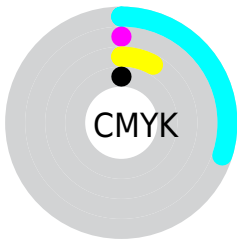
Distribution



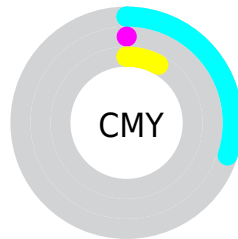
- Red (70%)
- Green (100%)
- Blue (92%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0442, 0.2799, 0.3521 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 87.0442, 0.2799, 0.3521 by changing the saturation by 10% instead.


 87.0442, 0.2799,
0.3521

 87.0442, 0.2799,
0.3521

518.3681, 0.2946,
0.3417

 65.5318, 0.2766,
0.3544


 143.2257, 0.2849,
0.3485

 47.8924, 0.2727,
0.3573


178.6637, 0.2869,
0.3471

 33.7417, 0.2677,
0.3609

219.5122, 0.2886,
0.3459

 22.6952, 0.2613,
0.3655

266.1558, 0.2901,
0.3448

 14.3686, 0.2529,
0.3717

318.9787, 0.2914,
0.3439

 8.3775, 0.2412,
0.3803

378.3655, 0.2926,

 4.3374, 0.2239,

0.3431

0.3934

444.7005, 0.2937,
0.3423

■ 1.8641, 0.1959,
0.4151

■ 0.5266, 0.0000,
0.5730

■ 87.0442, 0.2799,
0.3521

■ 87.0442, 0.2799,
0.3521

■ 83.8812, 0.2706,
0.3612

■ 90.7784, 0.2902,
0.3436


■ 81.2682, 0.2627,
0.3709


■ 95.1228, 0.3014,
0.3359


■ 79.1678, 0.2565,
0.3811


■ 100.0000, 0.3127,
0.3290

■ 77.5417, 0.2521,
0.3915

 76.3464, 0.2498,
0.4021

 75.5298, 0.2495,
0.4127

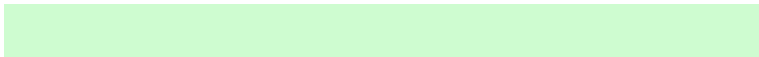
 75.0090, 0.2509,
0.4231

 75.0003, 0.2509,
0.4233

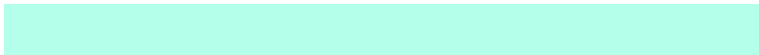
Harmonies

Analogous

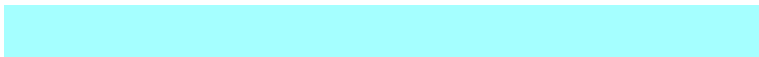
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0442, 0.3091, 0.3761



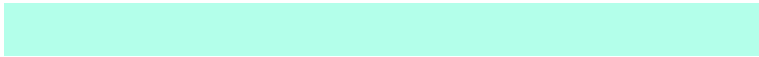
87.0442, 0.2799, 0.3521



87.0442, 0.2600, 0.3219

Triad

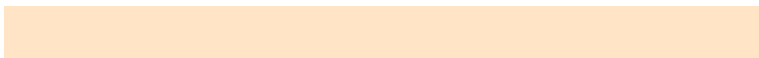
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0442, 0.2799, 0.3521



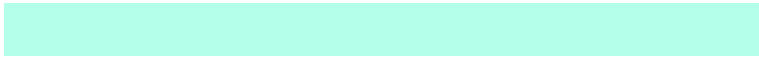
87.0442, 0.2836, 0.2777



87.0442, 0.3754, 0.3577

Complementary

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



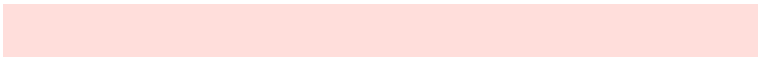
87.0442, 0.2799, 0.3521



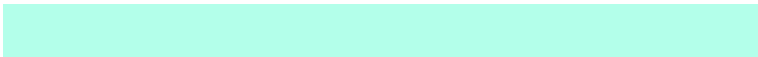
57.6646, 0.3612, 0.3073

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.



87.0442, 0.3682, 0.3320



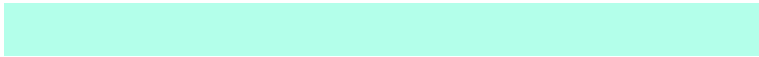
87.0442, 0.2799, 0.3521



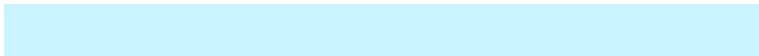
87.0442, 0.3139, 0.2874

Square

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



87.0442, 0.2799, 0.3521



87.0442, 0.2621, 0.2803



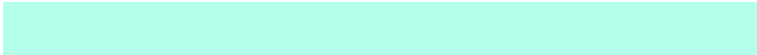
87.0442, 0.3452, 0.3069



87.0442, 0.3649, 0.3777

Rectangle

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



87.0442, 0.2799, 0.3521



87.0442, 0.2542, 0.3035



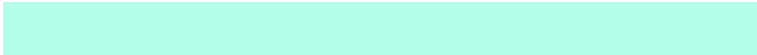
87.0442, 0.3452, 0.3069



87.0442, 0.3750, 0.3495

Sweetspot

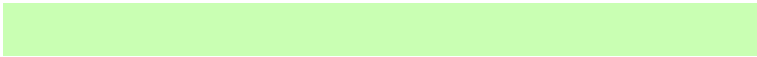
The Sweet Spot groups the original color and five complimentary colors.



87.0409, 0.2799, 0.3521



95.5020, 0.3023, 0.3353



87.1254, 0.3218, 0.4132



20.2962, 0.3006, 0.3364



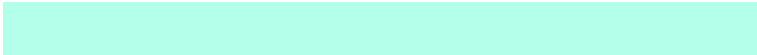
0.0000, 0.0000, 0.0000



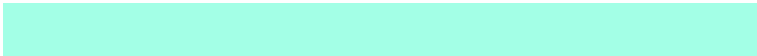
21.4041, 0.3127, 0.3290

Same Dimension

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



87.0409, 0.2799, 0.3521



85.0188, 0.2740, 0.3577



78.2600, 0.2675, 0.3108



20.3907, 0.3017, 0.3357



39.2159, 0.2504, 0.4215



3.8368, 0.2471, 0.4096

Inverse Universe

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



57.6646, 0.3612, 0.3073



51.1819, 0.3755, 0.3026



63.7483, 0.3749, 0.3464



18.0696, 0.3251, 0.3224



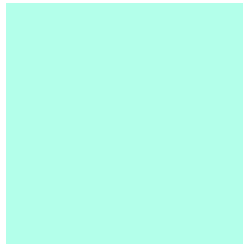
11.3649, 0.5849, 0.2996



1.1241, 0.5530, 0.2820

Previews

White Background



This preview shows how the Yxy color 87.0442, 0.2799, 0.3521 looks on a white background.

Color Contrast Check

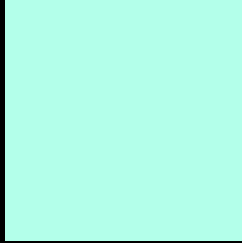
Large Text (above 18pt) WCAG AA × Fail

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 87.0442, 0.2799, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

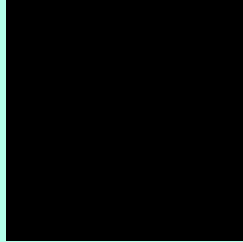
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

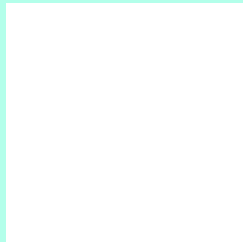
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0442, 0.2799, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 87.0442, 0.2799, 0.3521.

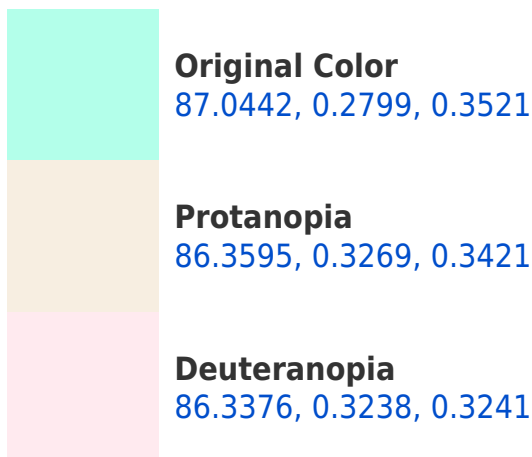


This preview shows how white text looks on a background with the Yxy color 87.0442, 0.2799, 0.3521.

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

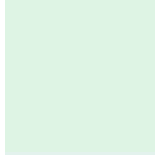
86.3684, 0.2884, 0.3176

Trichromacy



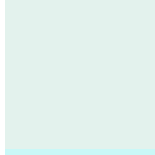
Original Color

87.0442, 0.2799, 0.3521



Protanomaly

85.8324, 0.3081, 0.3458



Deuteranomaly

85.9496, 0.3060, 0.3341



Tritanomaly

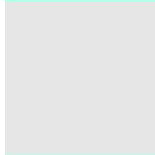
86.4068, 0.2853, 0.3300

Monochromacy



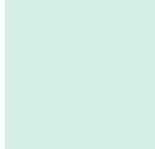
Original Color

87.0442, 0.2799, 0.3521



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.3514, 0.2994, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0442, 0.2799, 0.3521 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, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 234)  
}
```

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, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 234) }
```

Border

The CSS property to change the border of an element to Yxy 87.0442, 0.2799, 0.3521 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, 255, 234) }
```

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

```
.border{ border-color:rgb(179, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(179, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0442, 0.2799, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 234) }
```

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

```
.background{ background-color: rgb(179,  
255, 234) }
```

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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