

Converting Colors

$Yxy(87.4272, 0.2798, 0.3493)$

Have a look what the booklet for
Yxy(87.4272, 0.2798, 0.3493)
contains.

Yxy(87.3999, 0.2799, 0.3497)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.3999, 0.2799, 0.3497)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFEC
RGB	181, 255, 236
RGB Percent	71%, 100%, 93%
CMY	0.2903, 0.0000, 0.0743
CMYK	0.29, 0.00, 0.07, 0.00
HSL	165°, 100%, 85%
HSV	165°, 29%, 100%
XYZ	69.9549, 87.3999, 92.5734
YIQ	230.7080, -38.0050, -21.5970

Conversions

Conversions Part 2

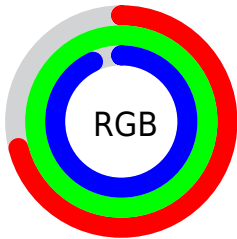
Format	Color
RYB	181, 223, 255
Decimal	11927532
CIELab	94.91, -26.61, 1.75
CIElCh	95, 26.671, 176.236
Yxy	87.3999, 0.2799, 0.3497
Android (android.graphics.Color)	4290117612 (0xFFB5FFEC)
YUV	230.7080, 2.6090, -43.5939
Hunter-Lab	93.4879, -30.0363, 6.7315

Details

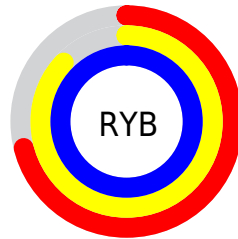
The Yxy color **87.3999, 0.2799, 0.3497** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.4597, 0.3609, 0.3094**, and the grayscale version is **79.6792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **48.1191, 0.2730, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **84.2207, 0.2703, 0.3581**, and if you desaturate by 10%, it is **91.1538, 0.2906, 0.3419**.

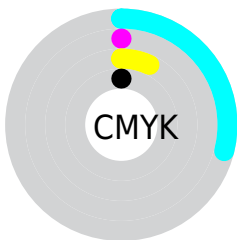
Distribution



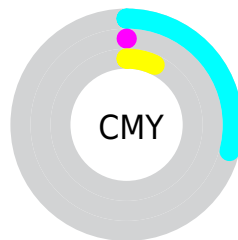
- Red (71%)
- Green (100%)
- Blue (93%)



- Red (71%)
- Yellow (87%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3999, 0.2799, 0.3497 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 87.3999, 0.2799, 0.3497 by changing the saturation by 10% instead.


 87.3999, 0.2799,
0.3497

 87.3999, 0.2799,
0.3497


519.5360, 0.2946,
0.3404

 65.8262, 0.2767,
0.3518


 143.7214, 0.2849,
0.3465

 48.1313, 0.2727,
0.3543


179.2380, 0.2869,
0.3453

 33.9309, 0.2678,
0.3575


220.1710, 0.2886,
0.3442

 22.8405, 0.2615,
0.3615

266.9048, 0.2901,
0.3432

 14.4758, 0.2531,
0.3670

319.8238, 0.2914,
0.3424

 8.4523, 0.2415,
0.3746

379.3124, 0.2926,

 4.3857, 0.2245,

0.3416

0.3859

445.7550, 0.2936,
0.3410

■ 1.8916, 0.1970,
0.4045

■ 0.5433, 0.0000,
0.5366

■ 87.3999, 0.2799,
0.3497

■ 87.3999, 0.2799,
0.3497

■ 84.2207, 0.2703,
0.3581

■ 91.1538, 0.2906,
0.3419

■ 81.5902, 0.2621,
0.3669


■ 95.5159, 0.3020,
0.3348


■ 79.4727, 0.2555,
0.3762

100.0000, 0.3127,
0.3290

■ 77.8305, 0.2509,
0.3858

 76.6207, 0.2482,
0.3955

 75.7919, 0.2476,
0.4052

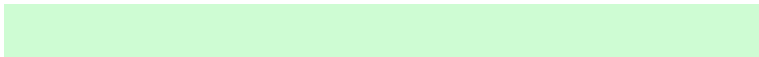
 75.2688, 0.2487,
0.4148

 75.2253, 0.2488,
0.4157

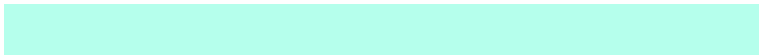
Harmonies

Analogous

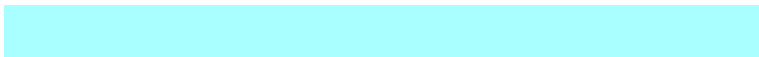
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3999, 0.3077, 0.3733



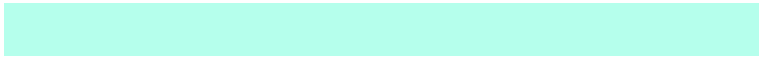
87.3999, 0.2799, 0.3497



87.3999, 0.2613, 0.3207

Triad

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



87.3999, 0.2799, 0.3497



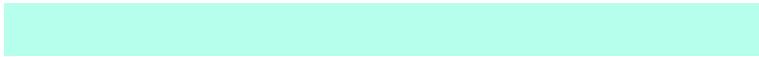
87.3999, 0.2862, 0.2799



87.3999, 0.3728, 0.3579

Complementary

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



87.3999, 0.2799, 0.3497



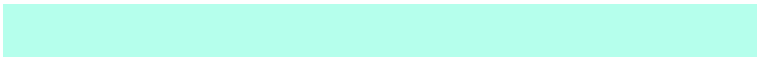
58.4597, 0.3609, 0.3094

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.



87.3999, 0.3668, 0.3333



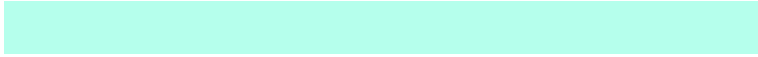
87.3999, 0.2799, 0.3497



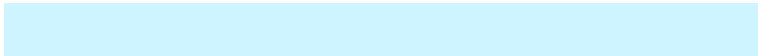
87.3999, 0.3155, 0.2898

Square

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



87.3999, 0.2799, 0.3497



87.3999, 0.2648, 0.2817



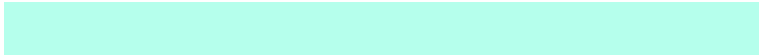
87.3999, 0.3454, 0.3089



87.3999, 0.3619, 0.3766

Rectangle

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



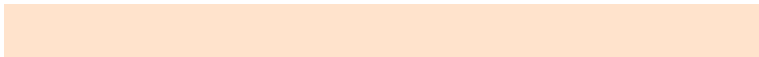
87.3999, 0.2799, 0.3497



87.3999, 0.2562, 0.3033



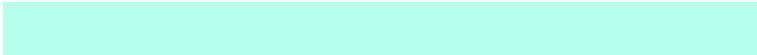
87.3999, 0.3454, 0.3089



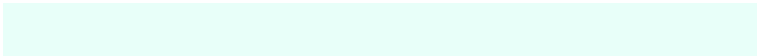
87.3999, 0.3728, 0.3501

Sweetspot

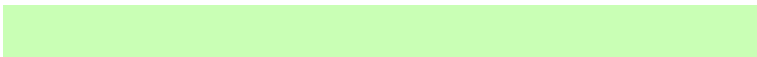
The Sweet Spot groups the original color and five complimentary colors.



87.3983, 0.2799, 0.3497



95.5315, 0.3020, 0.3348



87.2318, 0.3208, 0.4109



20.3035, 0.3003, 0.3358



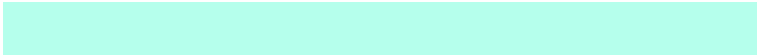
0.0000, 0.0000, 0.0000



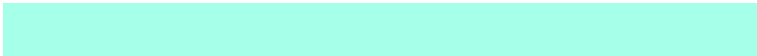
21.4041, 0.3127, 0.3290

Same Dimension

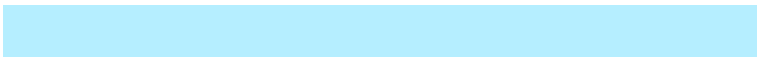
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3983, 0.2799, 0.3497



85.4348, 0.2740, 0.3546



78.0286, 0.2685, 0.3100



20.3973, 0.3014, 0.3352



39.3324, 0.2484, 0.4141



3.8474, 0.2453, 0.4032

Inverse Universe

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



58.4597, 0.3609, 0.3094



52.0984, 0.3748, 0.3053



65.0926, 0.3724, 0.3472



18.0634, 0.3254, 0.3229



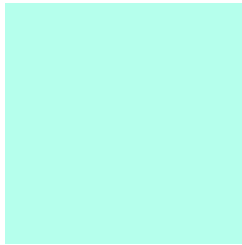
11.3302, 0.5917, 0.3033



1.1200, 0.5601, 0.2859

Previews

White Background



This preview shows how the Yxy color 87.3999, 0.2799, 0.3497 looks on a white background.

Color Contrast Check

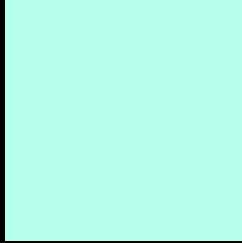
Large Text (above 18pt) WCAG AA × Fail

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 87.3999, 0.2799, 0.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

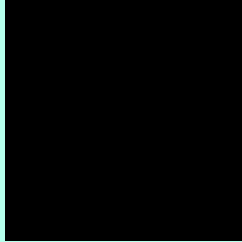
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3999, 0.2799, 0.3497

Background



This preview shows how black text looks on a background with the Yxy color 87.3999, 0.2799, 0.3497.

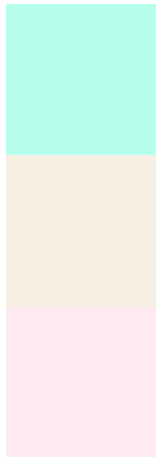


This preview shows how white text looks on a background with the Yxy color 87.3999, 0.2799, 0.3497.

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

87.3999, 0.2799, 0.3497

Protanopia

86.4693, 0.3256, 0.3401

Deuteranopia

86.3969, 0.3231, 0.3232



Tritanopia

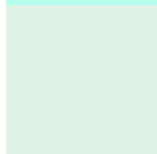
87.1237, 0.2890, 0.3187

Trichromacy



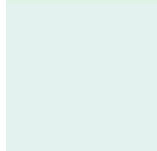
Original Color

87.3999, 0.2799, 0.3497



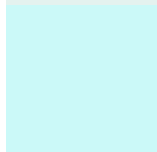
Protanomaly

86.1025, 0.3075, 0.3436



Deuteranomaly

86.2302, 0.3055, 0.3321



Tritanomaly

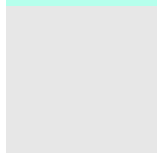
87.2252, 0.2854, 0.3300

Monochromacy



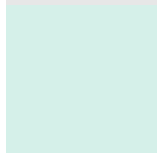
Original Color

87.3999, 0.2799, 0.3497



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3495, 0.2995, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3999, 0.2799, 0.3497 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(181, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 87.3999, 0.2799, 0.3497 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(181, 255, 236) }
```

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

```
.border{ border-color:rgb(181, 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(181, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3999, 0.2799, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 236) }
```

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

```
.background{ background-color: rgb(181,  
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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