

Converting Colors

$Yxy(90.0462, 0.2715, 0.3371)$

Have a look what the booklet for
Yxy(90.0462, 0.2715, 0.3371)
contains.

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Color

Yxy(87.9500, 0.2710, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFFB
RGB	178, 255, 251
RGB Percent	70%, 100%, 98%
CMY	0.3020, 0.0000, 0.0157
CMYK	0.30, 0.00, 0.02, 0.00
HSL	177°, 100%, 85%
HSV	177°, 30%, 100%
XYZ	71.5320, 87.9500, 104.4736
YIQ	231.5210, -44.6080, -17.5680

Conversions

Conversions Part 2

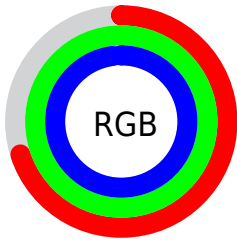
Format	Color
RYB	178, 218, 255
Decimal	11730939
CIELab	95.14, -24.25, -5.64
CIELCh	95, 24.895, 193.100
Yxy	87.9500, 0.2710, 0.3332
Android (android.graphics.Color)	4289921019 (0xFFB2FFFB)
YUV	231.5210, 9.6031, -46.9379
Hunter-Lab	93.7817, -27.9670, -0.4024

Details

The Yxy color **87.9500, 0.2710, 0.3332** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.4773, 0.3775, 0.3250**, and the grayscale version is **80.2707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **48.4659, 0.2616, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **85.1256, 0.2596, 0.3348**, and if you desaturate by 10%, it is **91.3356, 0.2838, 0.3317**.

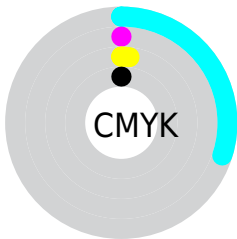
Distribution



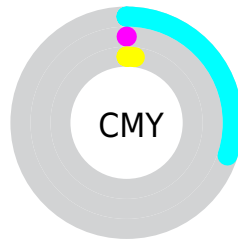
- Red (70%)
- Green (100%)
- Blue (98%)



- Red (70%)
- Yellow (85%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9500, 0.2710, 0.3332 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 87.9500, 0.2710, 0.3332 by changing the saturation by 10% instead.


 87.9500, 0.2710,
0.3332

 87.9500, 0.2710,
0.3332

521.3395, 0.2895,
0.3316

 66.2817, 0.2670,
0.3335


 144.4875, 0.2772,
0.3327

 48.5011, 0.2621,
0.3338


180.1255, 0.2797,
0.3325

 34.2239, 0.2561,
0.3342


221.1889, 0.2819,
0.3323

 23.0656, 0.2484,
0.3346

268.0619, 0.2838,
0.3321

 14.6420, 0.2384,
0.3350

321.1291, 0.2854,
0.3320

 8.5685, 0.2247,
0.3354

380.7749, 0.2869,

 4.4608, 0.2051,

0.3318

447.3835, 0.2883,
0.3317

0.3354

1.9345, 0.1747,
0.3342

0.5690, 0.0000,
0.3592

87.9500, 0.2710,
0.3332

87.9500, 0.2710,
0.3332

85.1256, 0.2596,
0.3348

91.3356, 0.2838,
0.3317

82.8313, 0.2499,
0.3365

95.3111, 0.2977,
0.3303

81.0329, 0.2420,
0.3382

99.9033, 0.3124,
0.3290

79.6923, 0.2360,
0.3399

100.0000, 0.3127,
0.3290

■ 78.7659, 0.2320,
0.3417

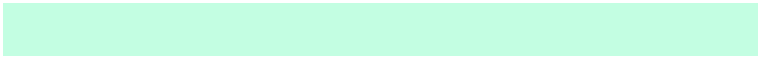
■ 78.2014, 0.2299,
0.3434

■ 77.9166, 0.2292,
0.3451

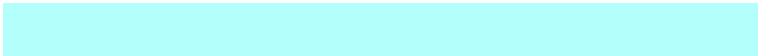
Harmonies

Analogous

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



87.9500, 0.2928, 0.3590



87.9500, 0.2710, 0.3332



87.9500, 0.2603, 0.3075

Triad

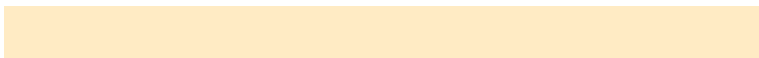
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9500, 0.2710, 0.3332



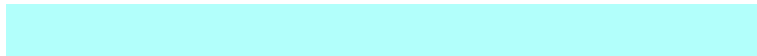
87.9500, 0.3029, 0.2870



87.9500, 0.3648, 0.3669

Complementary

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



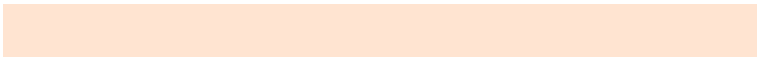
87.9500, 0.2710, 0.3332



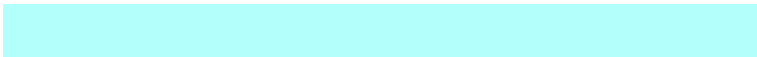
56.4773, 0.3775, 0.3250

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.



87.9500, 0.3682, 0.3464



87.9500, 0.2710, 0.3332



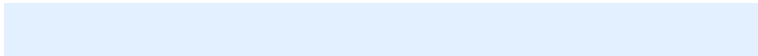
87.9500, 0.3315, 0.3015

Square

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



87.9500, 0.2710, 0.3332



87.9500, 0.2780, 0.2824



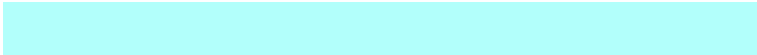
87.9500, 0.3558, 0.3228



87.9500, 0.3471, 0.3784

Rectangle

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



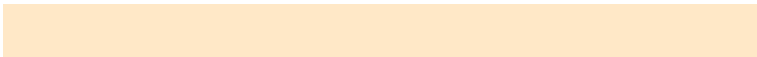
87.9500, 0.2710, 0.3332



87.9500, 0.2605, 0.2943



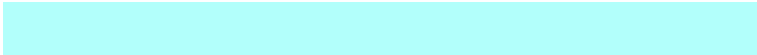
87.9500, 0.3558, 0.3228



87.9500, 0.3677, 0.3608

Sweetspot

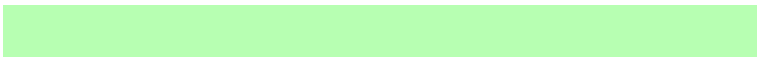
The Sweet Spot groups the original color and five complimentary colors.



87.9500, 0.2710, 0.3332



95.8277, 0.2994, 0.3301



84.8177, 0.3116, 0.4172



20.3769, 0.2973, 0.3303



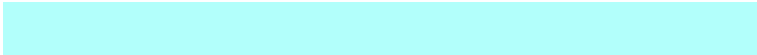
0.0000, 0.0000, 0.0000



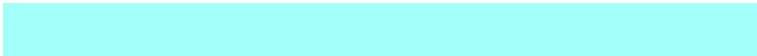
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9500, 0.2710, 0.3332



86.2445, 0.2642, 0.3341



68.7324, 0.2648, 0.2915



20.4642, 0.2987, 0.3302



40.7202, 0.2291, 0.3448



3.9696, 0.2286, 0.3428

Inverse Universe

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



56.4773, 0.3775, 0.3250



50.3513, 0.3956, 0.3242



71.2447, 0.3708, 0.3636



18.0023, 0.3286, 0.3278



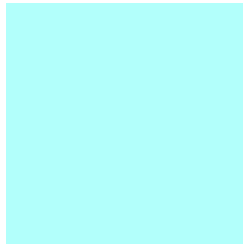
11.1306, 0.6349, 0.3271



1.0889, 0.6226, 0.3204

Previews

White Background



This preview shows how the Yxy color 87.9500, 0.2710, 0.3332 looks on a white background.

Color Contrast Check

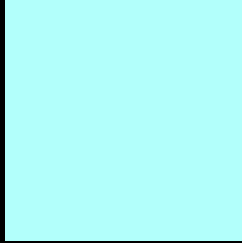
Large Text (above 18pt) WCAG AA × Fail

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 87.9500, 0.2710, 0.3332 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 87.9500, 0.2710, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 87.9500, 0.2710, 0.3332.

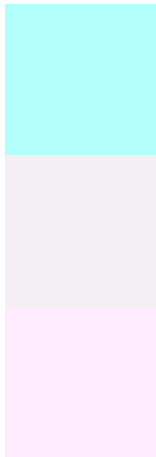


This preview shows how white text looks on a background with the Yxy color 87.9500, 0.2710, 0.3332.

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

87.9500, 0.2710, 0.3332

Protanopia

87.3769, 0.3142, 0.3260

Deuteranopia

87.2614, 0.3143, 0.3097



Tritanopia

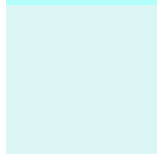
87.2765, 0.2896, 0.3187

Trichromacy



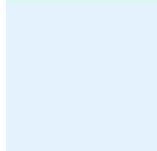
Original Color

87.9500, 0.2710, 0.3332



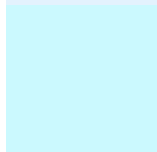
Protanomaly

87.1130, 0.2970, 0.3290



Deuteranomaly

86.9270, 0.2967, 0.3178



Tritanomaly

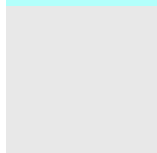
87.6036, 0.2823, 0.3237

Monochromacy



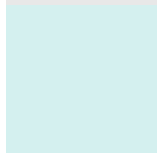
Original Color

87.9500, 0.2710, 0.3332



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.5492, 0.2954, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9500, 0.2710, 0.3332 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 87.9500, 0.2710, 0.3332 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, 251) }
```

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

```
.border{ border-color:rgb(178, 255, 251) }
```

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, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9500, 0.2710, 0.3332 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, 251) }
```

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

```
.background{ background-color: rgb(178,  
255, 251) }
```

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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