

Converting Colors

$Y_{xy}(100.0000, 0.2830, 0.3765)$

Have a look what the booklet for
Yxy(100.0000, 0.2830, 0.3765)
contains.

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Color

Yxy(86.6981, 0.2814, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFE6
RGB	178, 255, 230
RGB Percent	70%, 100%, 90%
CMY	0.3017, 0.0000, 0.0979
CMYK	0.30, 0.00, 0.10, 0.00
HSL	161°, 100%, 85%
HSV	161°, 30%, 100%
XYZ	68.4152, 86.6981, 88.0110
YIQ	229.1270, -37.8670, -24.0990

Conversions

Conversions Part 2

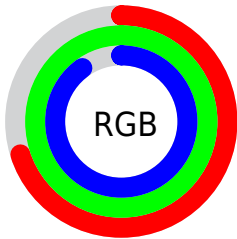
Format	Color
RYB	178, 224, 255
Decimal	11730918
CIELab	94.61, -28.67, 4.40
CIElCh	95, 29.004, 171.268
Yxy	86.6981, 0.2814, 0.3566
Android (android.graphics.Color)	4289920998 (0xFFB2FFE6)
YUV	229.1270, 0.4304, -44.8384
Hunter-Lab	93.1118, -31.7904, 9.1363

Details

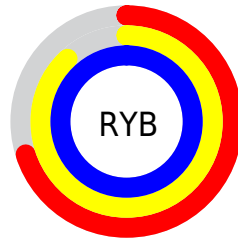
The Yxy color **86.6981, 0.2814, 0.3566** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.4346, 0.3588, 0.3032**, and the grayscale version is **78.4820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.6943, 0.2742, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **83.5053, 0.2727, 0.3675**, and if you desaturate by 10%, it is **90.4807, 0.2912, 0.3466**.

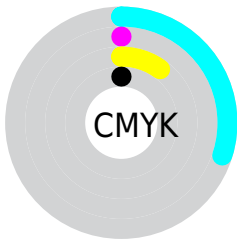
Distribution



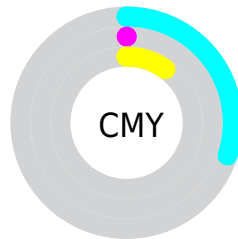
- Red (70%)
- Green (100%)
- Blue (90%)



- Red (70%)
- Yellow (88%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6981, 0.2814, 0.3566 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 86.6981, 0.2814, 0.3566 by changing the saturation by 10% instead.


 86.6981, 0.2814,
0.3566

 86.6981, 0.2814,
0.3566


517.2303, 0.2955,
0.3440

 65.2454, 0.2783,
0.3594


 142.7433, 0.2862,
0.3523

 47.6601, 0.2744,
0.3629


178.1045, 0.2881,
0.3506

 33.5578, 0.2696,
0.3673


218.8708, 0.2898,
0.3491

 22.5541, 0.2635,
0.3730

265.4263, 0.2912,
0.3478

 14.2646, 0.2552,
0.3806

318.1557, 0.2925,
0.3467

 8.3049, 0.2438,
0.3914

377.4432, 0.2936,

 4.2907, 0.2267,

0.3457

0.4079

443.6733, 0.2946,
0.3448

■ 1.8375, 0.1987,
0.4359

■ 0.5104, 0.0000,
0.6731

■ 86.6981, 0.2814,
0.3566

■ 86.6981, 0.2814,
0.3566

■ 83.5053, 0.2727,
0.3675

■ 90.4807, 0.2912,
0.3466

■ 80.8602, 0.2652,
0.3790

■ 94.8715, 0.3016,
0.3374

■ 78.7320, 0.2595,
0.3911

99.9011, 0.3125,
0.3291

■ 77.0823, 0.2556,
0.4036

99.9952, 0.3127,
0.3290

■ 75.8670, 0.2537,
0.4162

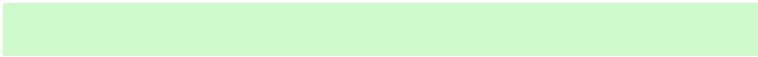
■ 75.0336, 0.2539,
0.4288

■ 74.5035, 0.2558,
0.4409

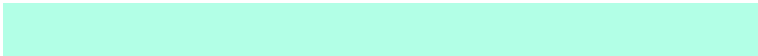
Harmonies

Analogous

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



86.6981, 0.3126, 0.3805



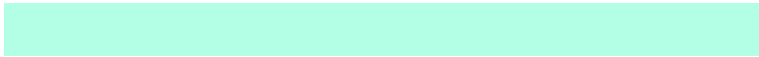
86.6981, 0.2814, 0.3566



86.6981, 0.2593, 0.3250

Triad

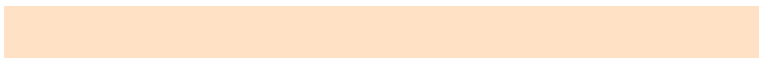
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6981, 0.2814, 0.3566



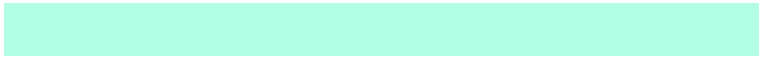
86.6981, 0.2792, 0.2751



86.6981, 0.3785, 0.3560

Complementary

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



86.6981, 0.2814, 0.3566



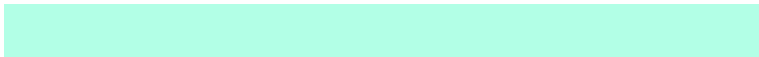
57.4346, 0.3588, 0.3032

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.



86.6981, 0.3689, 0.3290



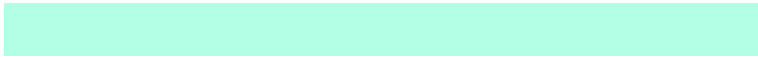
86.6981, 0.2814, 0.3566



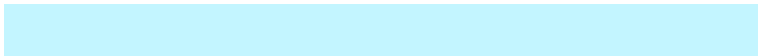
86.6981, 0.3101, 0.2839

Square

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



86.6981, 0.2814, 0.3566



86.6981, 0.2581, 0.2792



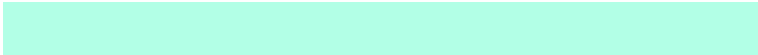
86.6981, 0.3433, 0.3032



86.6981, 0.3694, 0.3781

Rectangle

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



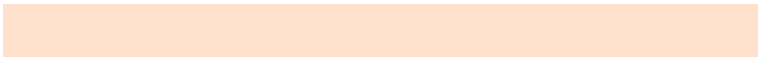
86.6981, 0.2814, 0.3566



86.6981, 0.2521, 0.3052



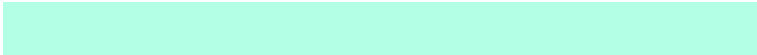
86.6981, 0.3433, 0.3032



86.6981, 0.3774, 0.3472

Sweetspot

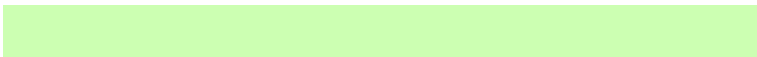
The Sweet Spot groups the original color and five complimentary colors.



86.7016, 0.2814, 0.3566



95.4338, 0.3029, 0.3364



87.5271, 0.3243, 0.4137



20.2793, 0.3013, 0.3377



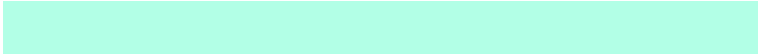
0.0000, 0.0000, 0.0000



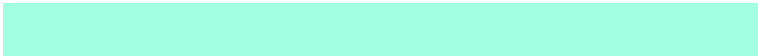
21.4041, 0.3127, 0.3290

Same Dimension

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



86.7016, 0.2814, 0.3566



84.7755, 0.2762, 0.3628



80.2966, 0.2675, 0.3149



20.3753, 0.3023, 0.3368



38.9609, 0.2552, 0.4388



3.8135, 0.2513, 0.4247

Inverse Universe

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



57.4346, 0.3588, 0.3032



51.3751, 0.3713, 0.2981



61.6841, 0.3770, 0.3426



18.0842, 0.3243, 0.3213



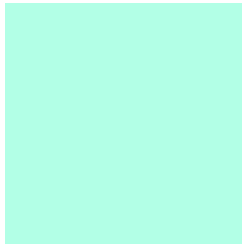
11.4572, 0.5680, 0.2903



1.1346, 0.5361, 0.2727

Previews

White Background



This preview shows how the Yxy color 86.6981, 0.2814, 0.3566 looks on a white background.

Color Contrast Check

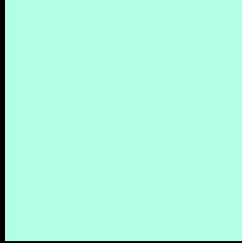
Large Text (above 18pt) WCAG AA × Fail

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 86.6981, 0.2814, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

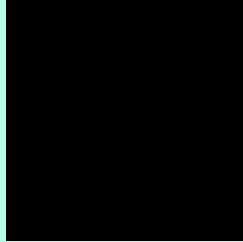
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

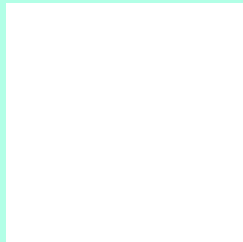
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6981, 0.2814, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 86.6981, 0.2814, 0.3566.

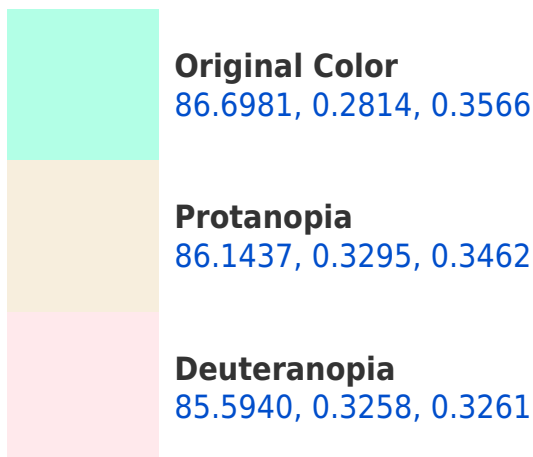


This preview shows how white text looks on a background with the Yxy color 86.6981, 0.2814, 0.3566.

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

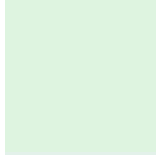
86.2175, 0.2878, 0.3176

Trichromacy



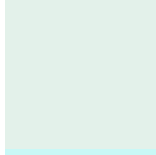
Original Color

86.6981, 0.2814, 0.3566



Protanomaly

85.6128, 0.3104, 0.3500



Deuteranomaly

85.1820, 0.3078, 0.3362



Tritanomaly

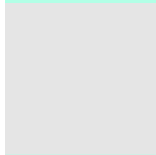
86.2061, 0.2853, 0.3310

Monochromacy



Original Color

86.6981, 0.2814, 0.3566



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5079, 0.2999, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6981, 0.2814, 0.3566 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 86.6981, 0.2814, 0.3566 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, 230) }
```

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

```
.border{ border-color:rgb(178, 255, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6981, 0.2814, 0.3566 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, 230) }
```

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

```
.background{ background-color: rgb(178,  
255, 230) }
```

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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