

Converting Colors

$Y_{xy}(100.0000, 0.2847, 0.3852)$

Have a look what the booklet for
Yxy(100.0000, 0.2847, 0.3852)
contains.

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Color

Yxy(86.0158, 0.2828, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	AFFFE0
RGB	175, 255, 224
RGB Percent	69%, 100%, 88%
CMY	0.3140, 0.0000, 0.1215
CMYK	0.31, 0.00, 0.12, 0.00
HSL	157°, 100%, 84%
HSV	157°, 31%, 100%
XYZ	66.8828, 86.0158, 83.6035
YIQ	227.5460, -37.7290, -26.6010

Conversions

Conversions Part 2

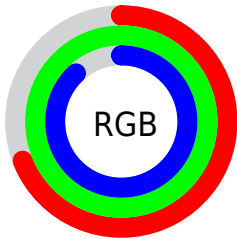
Format	Color
RYB	175, 225, 255
Decimal	11534304
CIELab	94.32, -30.78, 7.06
CIELCh	94, 31.585, 167.075
Yxy	86.0158, 0.2828, 0.3637
Android (android.graphics.Color)	4289724384 (0xFFAFFFE0)
YUV	227.5460, -1.7482, -46.0828
Hunter-Lab	92.7447, -33.5781, 11.4751

Details

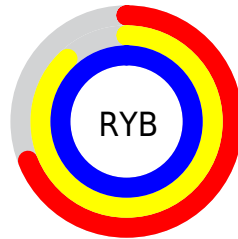
The Yxy color **86.0158, 0.2828, 0.3637** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.3461, 0.3568, 0.2970**, and the grayscale version is **77.2523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **47.2458, 0.2761, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **82.8124, 0.2749, 0.3769**, and if you desaturate by 10%, it is **89.7925, 0.2917, 0.3515**.

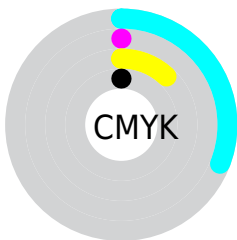
Distribution



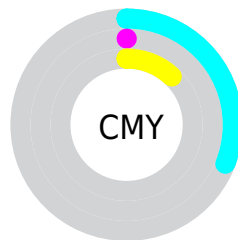
- Red (69%)
- Green (100%)
- Blue (88%)



- Red (69%)
- Yellow (88%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0158, 0.2828, 0.3637 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 86.0158, 0.2828, 0.3637 by changing the saturation by 10% instead.


 86.0158, 0.2828,
0.3637

 86.0158, 0.2828,
0.3637


514.9833, 0.2964,
0.3477

 64.6810, 0.2797,
0.3673


 141.7915, 0.2875,
0.3582

 47.2025, 0.2760,
0.3718


177.0013, 0.2893,
0.3560

 33.1958, 0.2713,
0.3775


217.6049, 0.2909,
0.3542

 22.2765, 0.2652,
0.3848

263.9866, 0.2923,
0.3526

 14.0602, 0.2571,
0.3948

316.5309, 0.2935,
0.3511

 8.1625, 0.2457,
0.4091

375.6222, 0.2946,


 4.1991, 0.2284,


0.3499


0.4312


441.6449, 0.2955,
0.3487


 1.7856, 0.1988,
0.4701


 0.4782, 0.0000,
0.9471


 86.0158, 0.2828,
0.3637


 86.0158, 0.2828,
0.3637


 82.8124, 0.2749,
0.3769


 89.7925, 0.2917,
0.3515

 80.1726, 0.2682,
0.3910

 94.1942, 0.3013,
0.3403

 78.0538, 0.2632,
0.4058

 99.2410, 0.3113,
0.3303

 76.4167, 0.2601,
0.4210

100.0000, 0.3127,
0.3290

■ 75.2164, 0.2590,
0.4362

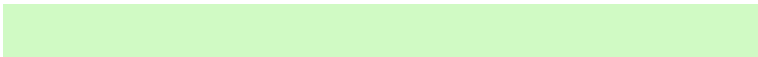
■ 74.3987, 0.2600,
0.4513

■ 73.9304, 0.2622,
0.4639

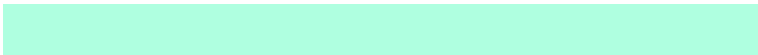
Harmonies

Analogous

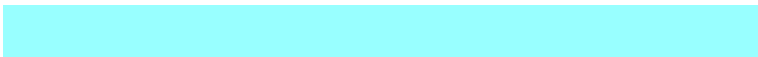
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0158, 0.3175, 0.3879



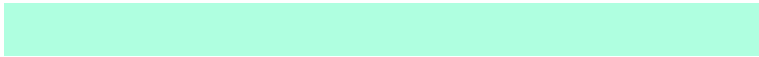
86.0158, 0.2828, 0.3637



86.0158, 0.2571, 0.3293

Triad

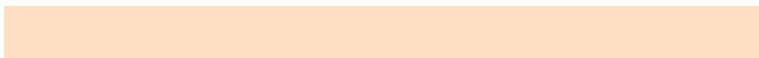
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0158, 0.2828, 0.3637



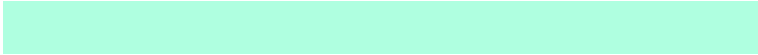
86.0158, 0.2721, 0.2702



86.0158, 0.3844, 0.3542

Complementary

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



86.0158, 0.2828, 0.3637



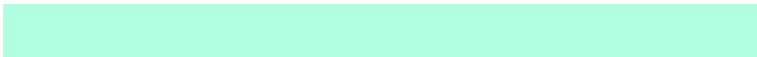
56.3461, 0.3568, 0.2970

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.



86.0158, 0.3711, 0.3246



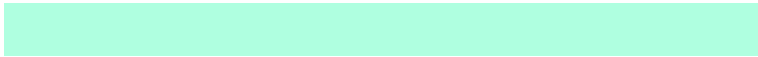
86.0158, 0.2828, 0.3637



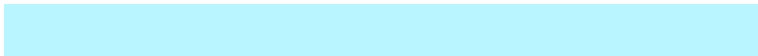
86.0158, 0.3047, 0.2780

Square

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



86.0158, 0.2828, 0.3637



86.0158, 0.2513, 0.2765



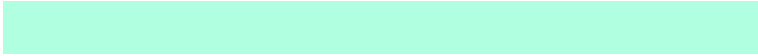
86.0158, 0.3412, 0.2974



86.0158, 0.3771, 0.3796

Rectangle

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



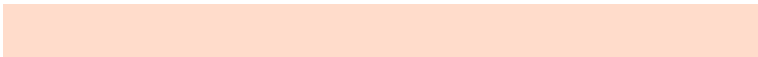
86.0158, 0.2828, 0.3637



86.0158, 0.2479, 0.3070



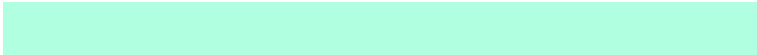
86.0158, 0.3412, 0.2974



86.0158, 0.3822, 0.3444

Sweetspot

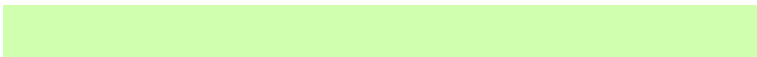
The Sweet Spot groups the original color and five complimentary colors.



86.0084, 0.2828, 0.3637



95.3452, 0.3037, 0.3378



87.8720, 0.3281, 0.4166



20.2574, 0.3022, 0.3393



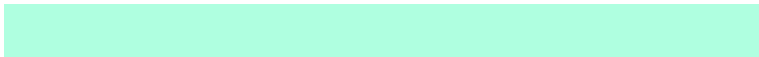
0.0000, 0.0000, 0.0000



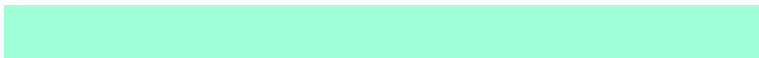
21.4041, 0.3127, 0.3290

Same Dimension

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



86.0084, 0.2828, 0.3637



83.8347, 0.2774, 0.3723



82.8435, 0.2665, 0.3201



20.3553, 0.3032, 0.3384



38.6604, 0.2615, 0.4615



3.7856, 0.2569, 0.4446

Inverse Universe

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



56.3461, 0.3568, 0.2970



49.7155, 0.3700, 0.2901



58.1943, 0.3823, 0.3376



18.1035, 0.3233, 0.3198



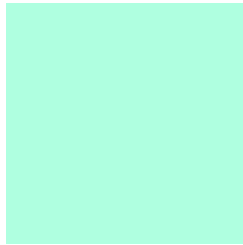
11.6036, 0.5437, 0.2769



1.1504, 0.5131, 0.2600

Previews

White Background



This preview shows how the Yxy color 86.0158, 0.2828, 0.3637 looks on a white background.

Color Contrast Check

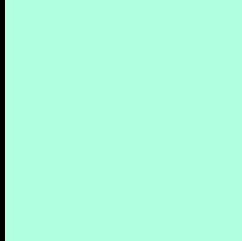
Large Text (above 18pt) WCAG AA × Fail

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 86.0158, 0.2828, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

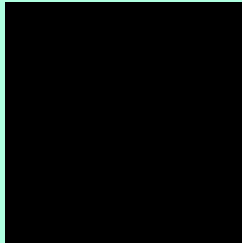
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.0158, 0.2828, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 86.0158, 0.2828, 0.3637.

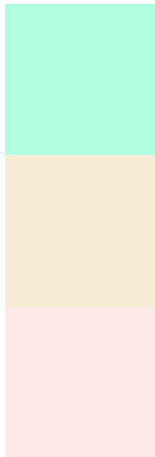


This preview shows how white text looks on a background with the Yxy color 86.0158, 0.2828, 0.3637.

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

86.0158, 0.2828, 0.3637

Protanopia

85.1976, 0.3341, 0.3524

Deuteranopia

85.3640, 0.3284, 0.3300



Tritanopia

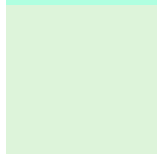
85.7703, 0.2860, 0.3175

Trichromacy



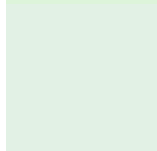
Original Color

86.0158, 0.2828, 0.3637



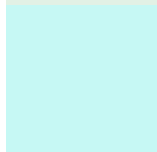
Protanomaly

85.1355, 0.3134, 0.3565



Deuteranomaly

84.7365, 0.3102, 0.3415



Tritanomaly

85.6722, 0.2846, 0.3332

Monochromacy



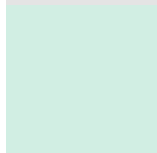
Original Color

86.0158, 0.2828, 0.3637



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2504, 0.3005, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0158, 0.2828, 0.3637 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(175, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 224)  
}
```

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(175, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 86.0158, 0.2828, 0.3637 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(175, 255, 224) }
```

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

```
.border{ border-color:rgb(175, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(175, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0158, 0.2828, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 224) }
```

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

```
.background{ background-color: rgb(175,  
255, 224) }
```

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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