

Converting Colors

$Yxy(86.0386, 0.2765, 0.3539)$

Have a look what the booklet for
Yxy(86.0386, 0.2765, 0.3539)
contains.

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Color

Yxy(86.0611, 0.2763, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFE9
RGB	171, 255, 233
RGB Percent	67%, 100%, 91%
CMY	0.3292, 0.0000, 0.0864
CMYK	0.33, 0.00, 0.09, 0.00
HSL	164°, 100%, 84%
HSV	164°, 33%, 100%
XYZ	67.2664, 86.0611, 90.1268
YIQ	227.3760, -43.0020, -24.6500

Conversions

Conversions Part 2

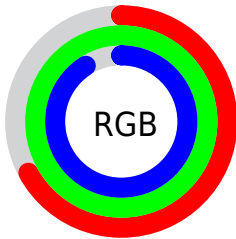
Format	Color
RYB	171, 219, 255
Decimal	11272169
CIELab	94.34, -30.02, 2.45
CIElCh	94, 30.119, 175.327
Yxy	86.0611, 0.2763, 0.3535
Android (android.graphics.Color)	4289462249 (0xFFABFFE9)
YUV	227.3760, 2.7726, -49.4418
Hunter-Lab	92.7691, -32.9165, 7.3371

Details

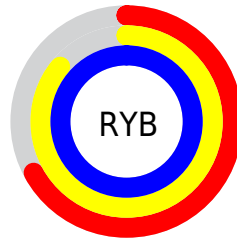
The Yxy color **86.0611, 0.2763, 0.3535** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.2610, 0.3693, 0.3061**, and the grayscale version is **77.1152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **47.2073, 0.2682, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **83.0954, 0.2673, 0.3623**, and if you desaturate by 10%, it is **89.6007, 0.2865, 0.3453**.

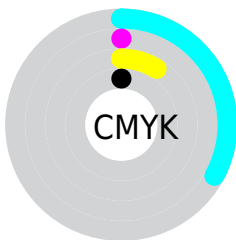
Distribution



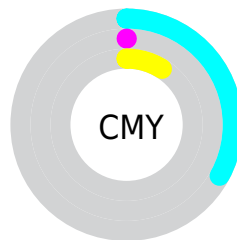
- Red (67%)
- Green (100%)
- Blue (91%)



- Red (67%)
- Yellow (86%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0611, 0.2763, 0.3535 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 86.0611, 0.2763, 0.3535 by changing the saturation by 10% instead.


 86.0611, 0.2763,
0.3535

 86.0611, 0.2763,
0.3535


515.1327, 0.2927,
0.3424

 64.7185, 0.2727,
0.3560


 141.8547, 0.2819,
0.3497

 47.2329, 0.2682,
0.3590


177.0746, 0.2841,
0.3482

 33.2198, 0.2627,
0.3628


217.6890, 0.2860,
0.3469

 22.2949, 0.2556,
0.3677

264.0823, 0.2877,
0.3458

 14.0737, 0.2463,
0.3743

316.6389, 0.2891,
0.3448

 8.1720, 0.2332,
0.3836

375.7432, 0.2904,

 4.2052, 0.2140,

0.3439

0.3975

441.7797, 0.2916,
0.3431

■ 1.7890, 0.1825,
0.4208

■ 0.4803, 0.0000,
0.5775

■ 86.0611, 0.2763,
0.3535

■ 86.0611, 0.2763,
0.3535

■ 83.0954, 0.2673,
0.3623

■ 89.6007, 0.2865,
0.3453

■ 80.6612, 0.2597,
0.3716

■ 93.7331, 0.2976,
0.3377

■ 78.7265, 0.2539,
0.3813

■ 98.4894, 0.3092,
0.3309

■ 77.2519, 0.2501,
0.3912

99.9995, 0.3127,
0.3290

■ 76.1914, 0.2483,
0.4012

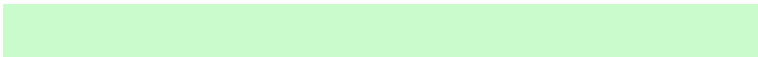
■ 75.4897, 0.2484,
0.4112

■ 75.1527, 0.2495,
0.4181

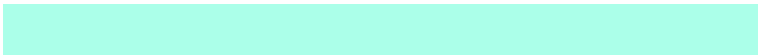
Harmonies

Analogous

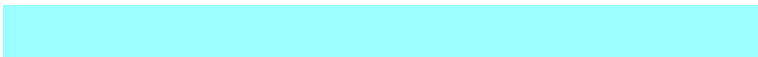
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0611, 0.3078, 0.3802



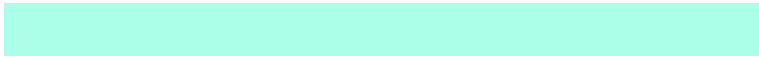
86.0611, 0.2763, 0.3535



86.0611, 0.2551, 0.3203

Triad

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



86.0611, 0.2763, 0.3535



86.0611, 0.2817, 0.2735



86.0611, 0.3811, 0.3606

Complementary

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



86.0611, 0.2763, 0.3535



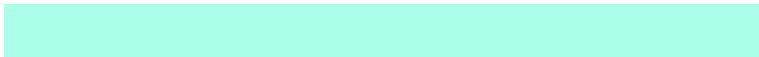
54.2610, 0.3693, 0.3061

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.



86.0611, 0.3737, 0.3327



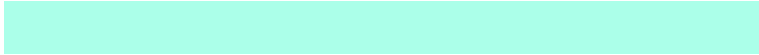
86.0611, 0.2763, 0.3535



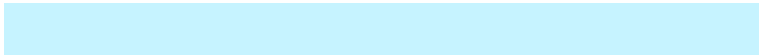
86.0611, 0.3147, 0.2843

Square

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



86.0611, 0.2763, 0.3535



86.0611, 0.2581, 0.2758



86.0611, 0.3489, 0.3055



86.0611, 0.3690, 0.3823

Rectangle

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



86.0611, 0.2763, 0.3535



86.0611, 0.2491, 0.3004



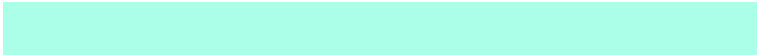
86.0611, 0.3489, 0.3055



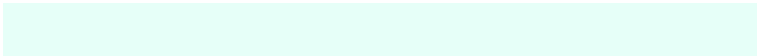
86.0611, 0.3808, 0.3516

Sweetspot

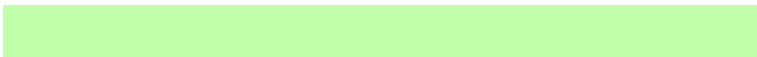
The Sweet Spot groups the original color and five complimentary colors.



86.0646, 0.2763, 0.3535



95.0567, 0.3009, 0.3357



85.8573, 0.3217, 0.4234



20.2083, 0.2993, 0.3367



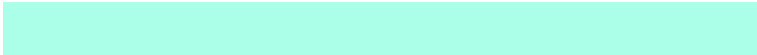
0.0000, 0.0000, 0.0000



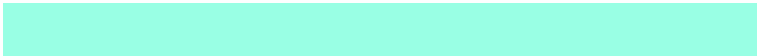
21.4041, 0.3127, 0.3290

Same Dimension

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



86.0646, 0.2763, 0.3535



83.9061, 0.2698, 0.3597



75.5371, 0.2629, 0.3071



20.3952, 0.3015, 0.3353



39.2951, 0.2490, 0.4165



3.8440, 0.2459, 0.4052

Inverse Universe

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



54.2610, 0.3693, 0.3061



47.3287, 0.3872, 0.3011



61.3080, 0.3830, 0.3497



18.0654, 0.3253, 0.3228



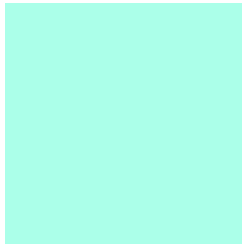
11.3409, 0.5896, 0.3022



1.1213, 0.5579, 0.2847

Previews

White Background



This preview shows how the Yxy color 86.0611, 0.2763, 0.3535 looks on a white background.

Color Contrast Check

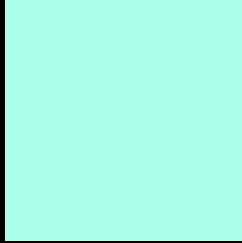
Large Text (above 18pt) WCAG AA × Fail

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 86.0611, 0.2763, 0.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

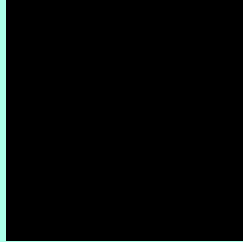
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

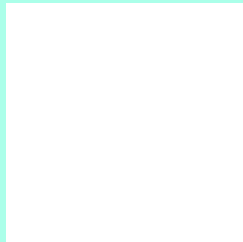
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0611, 0.2763, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 86.0611, 0.2763, 0.3535.

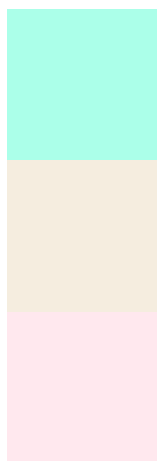


This preview shows how white text looks on a background with the Yxy color 86.0611, 0.2763, 0.3535.

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

86.0611, 0.2763, 0.3535

Protanopia

85.3086, 0.3269, 0.3432

Deuteranopia

85.1463, 0.3246, 0.3231



Tritanopia

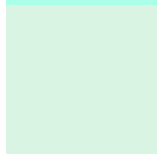
85.6230, 0.2854, 0.3175

Trichromacy



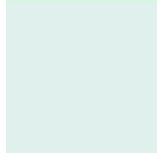
Original Color

86.0611, 0.2763, 0.3535



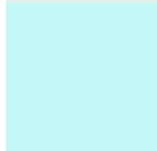
Protanomaly

85.1528, 0.3061, 0.3470



Deuteranomaly

84.2236, 0.3047, 0.3331



Tritanomaly

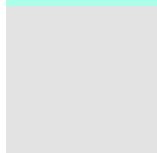
85.5860, 0.2819, 0.3300

Monochromacy



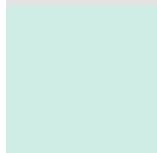
Original Color

86.0611, 0.2763, 0.3535



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4909, 0.2980, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0611, 0.2763, 0.3535 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(171, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 233)  
}
```

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(171, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 86.0611, 0.2763, 0.3535 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(171, 255, 233) }
```

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

```
.border{ border-color:rgb(171, 255, 233) }
```

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

Here you see how a box with a 4 pixel rgb(171, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0611, 0.2763, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 233) }
```

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

```
.background{ background-color: rgb(171,  
255, 233) }
```

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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