

Converting Colors

$Y_{xy}(100.6062, 0.2740, 0.3619)$

Have a look what the booklet for
Yxy(100.6062, 0.2740, 0.3619)
contains.

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Color

Yxy(86.9359, 0.2719, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFF4
RGB	173, 255, 244
RGB Percent	68%, 100%, 96%
CMY	0.3215, 0.0000, 0.0433
CMYK	0.32, 0.00, 0.04, 0.00
HSL	172°, 100%, 84%
HSV	172°, 32%, 100%
XYZ	69.3193, 86.9359, 98.6888
YIQ	229.2280, -45.3410, -20.8050

Conversions

Conversions Part 2

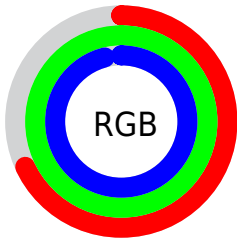
Format	Color
RYB	173, 217, 255
Decimal	11403252
CIELab	94.71, -27.14, -2.67
CIELCh	95, 27.269, 185.622
Yxy	86.9359, 0.2719, 0.3410
Android (android.graphics.Color)	4289593332 (0xFFADFFF4)
YUV	229.2280, 7.2826, -49.3120
Hunter-Lab	93.2394, -30.4624, 2.5124

Details

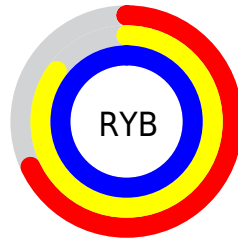
The Yxy color **86.9359, 0.2719, 0.3410** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.6118, 0.3771, 0.3176**, and the grayscale version is **78.4997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **47.8009, 0.2628, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **84.0933, 0.2615, 0.3453**, and if you desaturate by 10%, it is **90.3348, 0.2836, 0.3369**.

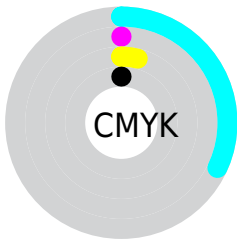
Distribution



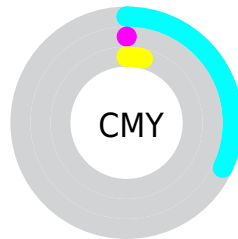
- Red (68%)
- Green (100%)
- Blue (96%)



- Red (68%)
- Yellow (85%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9359, 0.2719, 0.3410 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 86.9359, 0.2719, 0.3410 by changing the saturation by 10% instead.


 86.9359, 0.2719,
0.3410

 86.9359, 0.2719,
0.3410

518.0122, 0.2901,
0.3358

 65.4422, 0.2679,
0.3421


 143.0748, 0.2781,
0.3393

 47.8197, 0.2631,
0.3435


178.4887, 0.2805,
0.3386

 33.6841, 0.2571,
0.3451


219.3115, 0.2826,
0.3379

 22.6510, 0.2494,
0.3472

265.9276, 0.2845,
0.3374

 14.3361, 0.2394,
0.3498

318.7213, 0.2861,
0.3369

 8.3548, 0.2256,
0.3533

378.0770, 0.2876,

 4.3228, 0.2056,

0.3365

0.3581

444.3792, 0.2889,
0.3361

■ 1.8557, 0.1743,
0.3650

■ 0.5215, 0.0000,
0.4087

■ 86.9359, 0.2719,
0.3410

■ 86.9359, 0.2719,
0.3410

■ 84.0933, 0.2615,
0.3453

■ 90.3348, 0.2836,
0.3369

■ 81.7788, 0.2528,
0.3499

■ 94.3226, 0.2963,
0.3332

■ 79.9563, 0.2459,
0.3546

■ 98.9254, 0.3097,
0.3297

■ 78.5869, 0.2409,
0.3593

100.0000, 0.3127,
0.3290

■ 77.6254, 0.2378,
0.3641

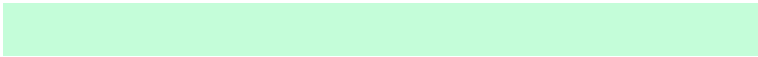
■ 77.0173, 0.2367,
0.3689

■ 76.7242, 0.2368,
0.3726

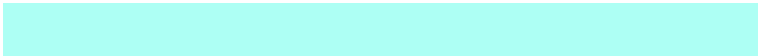
Harmonies

Analogous

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



86.9359, 0.2980, 0.3681



86.9359, 0.2719, 0.3410



86.9359, 0.2569, 0.3117

Triad

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



86.9359, 0.2719, 0.3410



86.9359, 0.2943, 0.2807



86.9359, 0.3726, 0.3655

Complementary

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



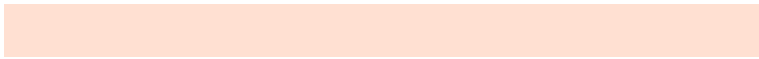
86.9359, 0.2719, 0.3410



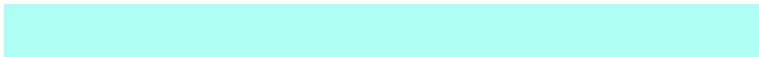
54.6118, 0.3771, 0.3176

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.



86.9359, 0.3720, 0.3415



86.9359, 0.2719, 0.3410



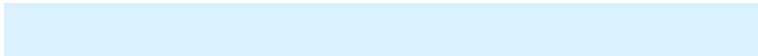
86.9359, 0.3255, 0.2941

Square

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



86.9359, 0.2719, 0.3410



86.9359, 0.2693, 0.2786



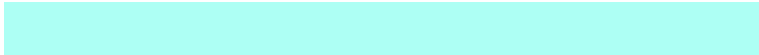
86.9359, 0.3544, 0.3159



86.9359, 0.3565, 0.3814

Rectangle

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



86.9359, 0.2719, 0.3410



86.9359, 0.2547, 0.2956



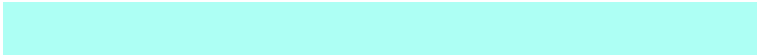
86.9359, 0.3544, 0.3159



86.9359, 0.3743, 0.3581

Sweetspot

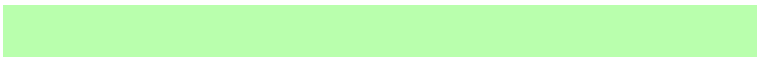
The Sweet Spot groups the original color and five complimentary colors.



86.9347, 0.2719, 0.3410



95.2614, 0.2991, 0.3324



84.8897, 0.3156, 0.4226



20.2581, 0.2973, 0.3329



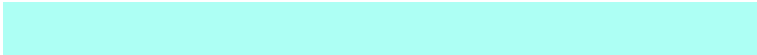
0.0000, 0.0000, 0.0000



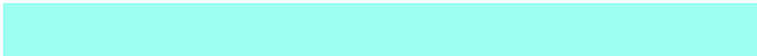
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9347, 0.2719, 0.3410



84.9311, 0.2647, 0.3439



70.6622, 0.2627, 0.2967



20.4369, 0.2998, 0.3322



40.1064, 0.2366, 0.3718



3.9162, 0.2351, 0.3664

Inverse Universe

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



54.6118, 0.3771, 0.3176



47.7481, 0.3974, 0.3152



66.3797, 0.3777, 0.3590



18.0269, 0.3273, 0.3258



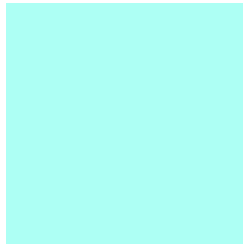
11.1822, 0.6229, 0.3205



1.1004, 0.5973, 0.3064

Previews

White Background



This preview shows how the Yxy color 86.9359, 0.2719, 0.3410 looks on a white background.

Color Contrast Check

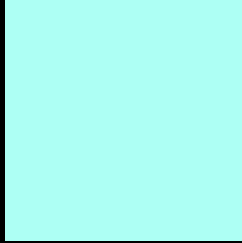
Large Text (above 18pt) WCAG AA × Fail

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 86.9359, 0.2719, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

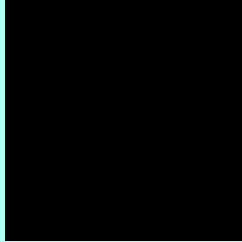
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

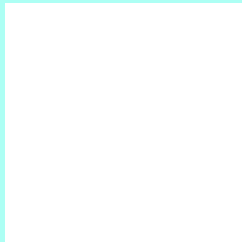
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9359, 0.2719, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 86.9359, 0.2719, 0.3410.

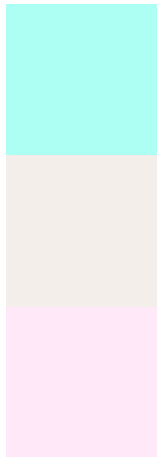


This preview shows how white text looks on a background with the Yxy color 86.9359, 0.2719, 0.3410.

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

86.9359, 0.2719, 0.3410

Protanopia

86.3227, 0.3192, 0.3330

Deuteranopia

86.3151, 0.3181, 0.3144



Tritanopia

86.6709, 0.2873, 0.3186

Trichromacy



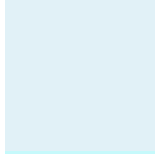
Original Color

86.9359, 0.2719, 0.3410



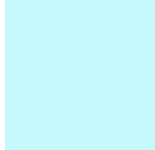
Protanomaly

85.7798, 0.2997, 0.3352



Deuteranomaly

85.6335, 0.2989, 0.3228



Tritanomaly

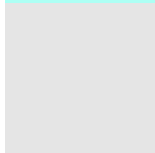
86.7222, 0.2810, 0.3268

Monochromacy



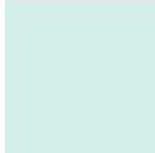
Original Color

86.9359, 0.2719, 0.3410



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6449, 0.2964, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9359, 0.2719, 0.3410 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(173, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 244)  
}
```

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(173, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 86.9359, 0.2719, 0.3410 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(173, 255, 244) }
```

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

```
.border{ border-color:rgb(173, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(173, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9359, 0.2719, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 244) }
```

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

```
.background{ background-color: rgb(173,  
255, 244) }
```

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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