

Converting Colors

$Yxy(86.9436, 0.2679, 0.3351)$

Have a look what the booklet for
Yxy(86.9436, 0.2679, 0.3351)
contains.

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Color

Yxy(86.9056, 0.2680, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	AAFF9
RGB	170, 255, 249
RGB Percent	67%, 100%, 98%
CMY	0.3333, 0.0000, 0.0234
CMYK	0.33, 0.00, 0.02, 0.00
HSL	176°, 100%, 83%
HSV	176°, 33%, 100%
XYZ	69.4416, 86.9056, 102.7632
YIQ	228.9010, -48.7340, -19.8860

Conversions

Conversions Part 2

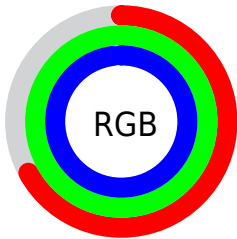
Format	Color
RYB	170, 214, 255
Decimal	11206649
CIELab	94.70, -26.82, -5.32
CIELCh	95, 27.341, 191.223
Yxy	86.9056, 0.2680, 0.3354
Android (android.graphics.Color)	4289396729 (0xFFFAAFF9)
YUV	228.9010, 9.9088, -51.6562
Hunter-Lab	93.2232, -30.1766, -0.1012

Details

The Yxy color **86.9056, 0.2680, 0.3354** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.1471, 0.3855, 0.3229**, and the grayscale version is **78.2354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **47.8158, 0.2583, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **84.2258, 0.2573, 0.3376**, and if you desaturate by 10%, it is **90.1442, 0.2802, 0.3333**.

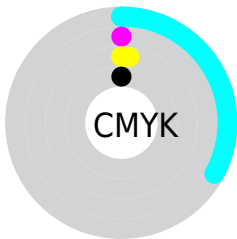
Distribution



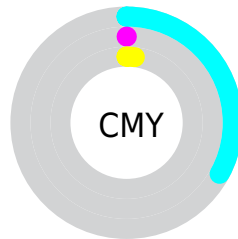
- Red (67%)
- Green (100%)
- Blue (98%)



- Red (67%)
- Yellow (84%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9056, 0.2680, 0.3354 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 86.9056, 0.2680, 0.3354 by changing the saturation by 10% instead.


 86.9056, 0.2680,
0.3354

 86.9056, 0.2680,
0.3354


517.9126, 0.2878,
0.3328

 65.4171, 0.2637,
0.3359


 143.0326, 0.2747,
0.3346

 47.7994, 0.2584,
0.3365


178.4398, 0.2774,
0.3342

 33.6680, 0.2519,
0.3372


219.2554, 0.2797,
0.3339

 22.6387, 0.2437,
0.3380

265.8637, 0.2817,
0.3337

 14.3269, 0.2329,
0.3389

318.6492, 0.2835,
0.3334

 8.3484, 0.2181,
0.3399

377.9963, 0.2851,

 4.3187, 0.1970,

0.3332

0.3409

444.2893, 0.2865,
0.3330

■ 1.8534, 0.1643,
0.3409

■ 0.5201, 0.0000,
0.3566

■ 86.9056, 0.2680,
0.3354

■ 86.9056, 0.2680,
0.3354

■ 84.2258, 0.2573,
0.3376

■ 90.1442, 0.2802,
0.3333

■ 82.0630, 0.2482,
0.3399

■ 93.9611, 0.2936,
0.3314

■ 80.3851, 0.2410,
0.3423

■ 98.3870, 0.3078,
0.3296

■ 79.1525, 0.2358,
0.3447

100.0000, 0.3127,
0.3290

■ 78.3193, 0.2326,
0.3471

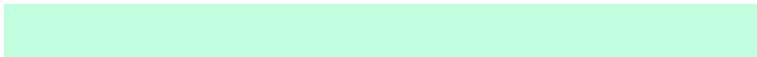
■ 77.8296, 0.2311,
0.3494

■ 77.6402, 0.2308,
0.3510

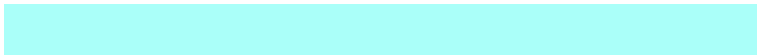
Harmonies

Analogous

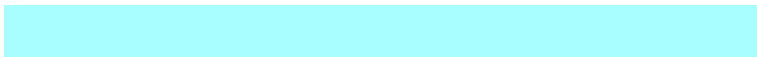
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9056, 0.2925, 0.3638



86.9056, 0.2680, 0.3354



86.9056, 0.2555, 0.3067

Triad

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



86.9056, 0.2680, 0.3354



86.9056, 0.2999, 0.2823



86.9056, 0.3709, 0.3694

Complementary

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



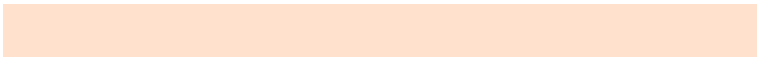
86.9056, 0.2680, 0.3354



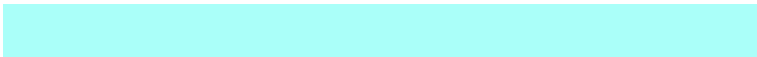
53.1471, 0.3855, 0.3229

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.



86.9056, 0.3736, 0.3463



86.9056, 0.2680, 0.3354



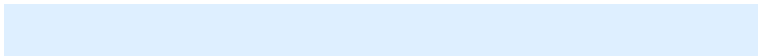
86.9056, 0.3314, 0.2976

Square

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



86.9056, 0.2680, 0.3354



86.9056, 0.2731, 0.2779



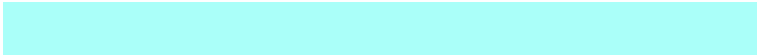
86.9056, 0.3589, 0.3205



86.9056, 0.3521, 0.3831

Rectangle

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



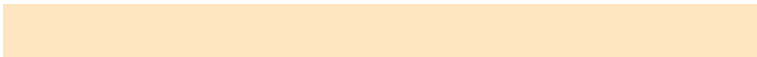
86.9056, 0.2680, 0.3354



86.9056, 0.2551, 0.2918



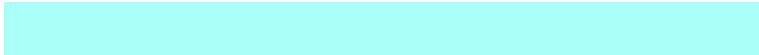
86.9056, 0.3589, 0.3205



86.9056, 0.3738, 0.3624

Sweetspot

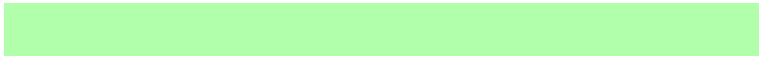
The Sweet Spot groups the original color and five complimentary colors.



86.9089, 0.2680, 0.3354



95.3656, 0.2982, 0.3307



83.7807, 0.3122, 0.4276



20.2835, 0.2963, 0.3310



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

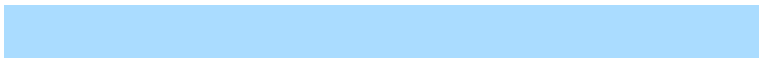
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9089, 0.2680, 0.3354



85.0597, 0.2607, 0.3369



66.7375, 0.2600, 0.2887



20.4582, 0.2989, 0.3306



40.5780, 0.2307, 0.3506



3.9573, 0.2300, 0.3479

Inverse Universe

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



53.1471, 0.3855, 0.3229



46.5862, 0.4074, 0.3217



68.0279, 0.3788, 0.3659



18.0077, 0.3283, 0.3274



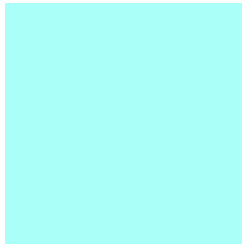
11.1390, 0.6329, 0.3260



1.0914, 0.6168, 0.3171

Previews

White Background



This preview shows how the Yxy color 86.9056, 0.2680, 0.3354 looks on a white background.

Color Contrast Check

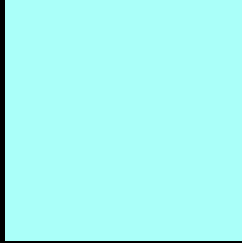
Large Text (above 18pt) WCAG AA × Fail

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 86.9056, 0.2680, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

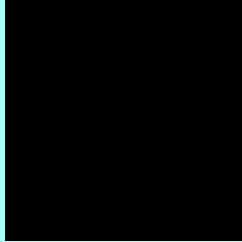
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

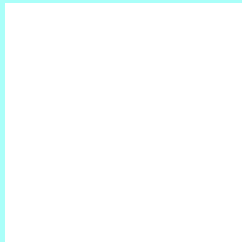
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9056, 0.2680, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 86.9056, 0.2680, 0.3354.

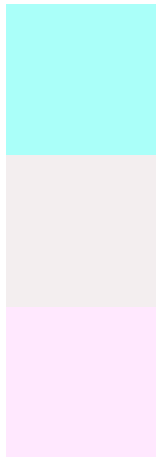


This preview shows how white text looks on a background with the Yxy color 86.9056, 0.2680, 0.3354.

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

86.9056, 0.2680, 0.3354

Protanopia

86.4358, 0.3154, 0.3280

Deuteranopia

86.1290, 0.3144, 0.3077



Tritanopia

86.5219, 0.2867, 0.3186

Trichromacy



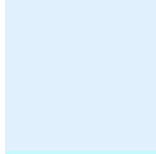
Original Color

86.9056, 0.2680, 0.3354



Protanomaly

85.7714, 0.2957, 0.3300



Deuteranomaly

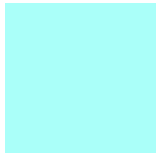
85.1957, 0.2954, 0.3167



Tritanomaly

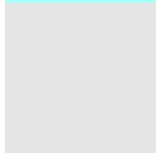
86.7135, 0.2794, 0.3247

Monochromacy



Original Color

86.9056, 0.2680, 0.3354



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6151, 0.2946, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9056, 0.2680, 0.3354 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(170, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 249)  
}
```

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(170, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 249) }
```

Border

The CSS property to change the border of an element to Yxy 86.9056, 0.2680, 0.3354 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(170, 255, 249) }
```

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

```
.border{ border-color:rgb(170, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9056, 0.2680, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 249) }
```

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

```
.background{ background-color: rgb(170,  
255, 249) }
```

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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