

Converting Colors

$Yxy(87.8881, 0.2608, 0.3102)$

Have a look what the booklet for
Yxy(87.8881, 0.2608, 0.3102)
contains.

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Color

Yxy(86.8177, 0.2683, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	B1FDFF
RGB	177, 253, 255
RGB Percent	69%, 99%, 100%
CMY	0.3061, 0.0078, 0.0000
CMYK	0.31, 0.01, 0.00, 0.00
HSL	182°, 100%, 85%
HSV	182°, 31%, 100%
XYZ	71.2984, 86.8177, 107.6252
YIQ	230.5040, -45.9380, -15.4900

Conversions

Conversions Part 2

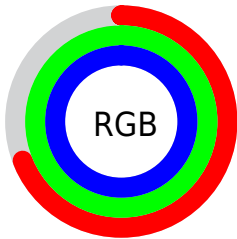
Format	Color
RYB	177, 215, 255
Decimal	11664895
CIELab	94.66, -22.68, -8.43
CIELCh	95, 24.195, 200.396
Yxy	86.8177, 0.2683, 0.3267
Android (android.graphics.Color)	4289854975 (0xFFB1FDFF)
YUV	230.5040, 12.0765, -46.9230
Hunter-Lab	93.1760, -26.4696, -3.2612

Details

The Yxy color **86.8177, 0.2683, 0.3267** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.6413, 0.3818, 0.3313**, and the grayscale version is **79.4493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.6220, 0.2589, 0.3260** is the 20% darker color. If you saturate the color by 10%, you get **83.6924, 0.2563, 0.3259**, and if you desaturate by 10%, it is **90.5078, 0.2818, 0.3275**.

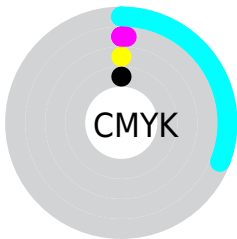
Distribution



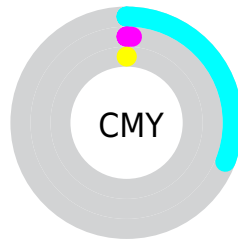
- Red (69%)
- Green (99%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8177, 0.2683, 0.3267 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 86.8177, 0.2683, 0.3267 by changing the saturation by 10% instead.

 86.8177, 0.2683,
0.3267

 86.8177, 0.2683,
0.3267


517.6236, 0.2879,
0.3281

 65.3444, 0.2640,
0.3263

 142.9100, 0.2749,
0.3272

 47.7404, 0.2588,
0.3258


178.2978, 0.2776,
0.3274

 33.6213, 0.2524,
0.3252


219.0925, 0.2799,
0.3276

 22.6028, 0.2443,
0.3242

265.6785, 0.2819,
0.3277

 14.3005, 0.2337,
0.3228

318.4402, 0.2837,
0.3278

 8.3300, 0.2193,
0.3206

377.7620, 0.2852,

 4.3068, 0.1986,

0.3279

0.3166

444.0284, 0.2867,
0.3280

■ 1.8466, 0.1669,
0.3089

■ 0.5160, 0.0000,
0.3072

■ 86.8177, 0.2683,
0.3267

■ 86.8177, 0.2683,
0.3267

■ 83.6924, 0.2563,
0.3259

■ 90.5078, 0.2818,
0.3275

■ 81.0945, 0.2460,
0.3250

■ 94.7855, 0.2963,
0.3283

■ 78.9920, 0.2375,
0.3242

■ 99.6796, 0.3118,
0.3290

■ 77.3463, 0.2310,
0.3233

■ 100.0000, 0.3127,
0.3290

■ 76.1136, 0.2264,
0.3224

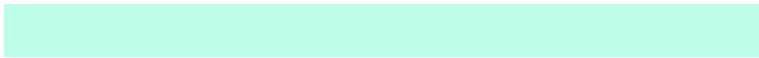
■ 75.2413, 0.2237,
0.3216

■ 74.6718, 0.2225,
0.3208

Harmonies

Analogous

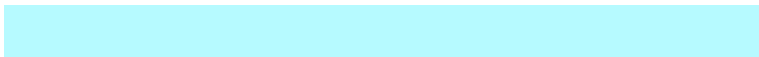
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8177, 0.2873, 0.3526



86.8177, 0.2683, 0.3267



86.8177, 0.2609, 0.3029

Triad

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



86.8177, 0.2683, 0.3267



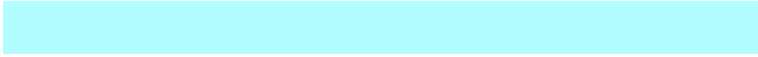
86.8177, 0.3099, 0.2906



86.8177, 0.3605, 0.3698

Complementary

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



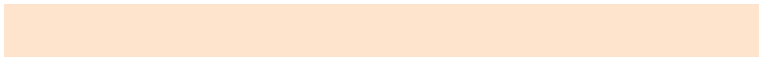
86.8177, 0.2683, 0.3267



56.6413, 0.3818, 0.3313

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.



86.8177, 0.3675, 0.3514



86.8177, 0.2683, 0.3267



86.8177, 0.3376, 0.3068

Square

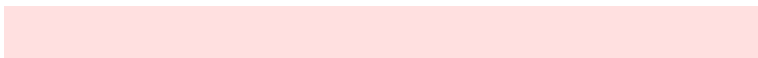
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



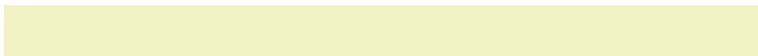
86.8177, 0.2683, 0.3267



86.8177, 0.2840, 0.2835



86.8177, 0.3590, 0.3286



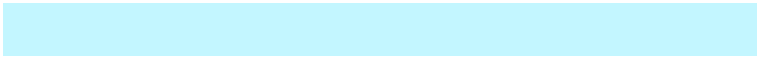
86.8177, 0.3405, 0.3780

Rectangle

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



86.8177, 0.2683, 0.3267



86.8177, 0.2632, 0.2915



86.8177, 0.3590, 0.3286



86.8177, 0.3645, 0.3645

Sweetspot

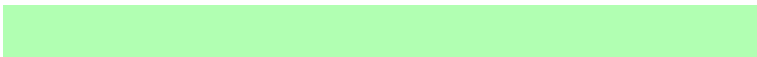
The Sweet Spot groups the original color and five complimentary colors.



86.8197, 0.2683, 0.3267



95.5323, 0.2988, 0.3284



84.0838, 0.3078, 0.4178



20.3035, 0.2966, 0.3283



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.



86.8197, 0.2683, 0.3267



84.7593, 0.2605, 0.3262



64.9918, 0.2633, 0.2834



20.3975, 0.2980, 0.3283



39.0533, 0.2225, 0.3210



3.8266, 0.2228, 0.3219

Inverse Universe

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



59.7726, 0.3178, 0.2544



53.6940, 0.3189, 0.2392



74.1969, 0.3698, 0.3706



18.2919, 0.3142, 0.3062



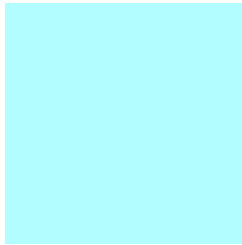
14.6704, 0.3274, 0.1577



1.4308, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 86.8177, 0.2683, 0.3267 looks on a white background.

Color Contrast Check

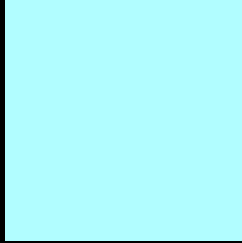
Large Text (above 18pt) WCAG AA × Fail

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 86.8177, 0.2683, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

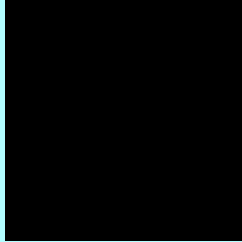
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8177, 0.2683, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 86.8177, 0.2683, 0.3267.

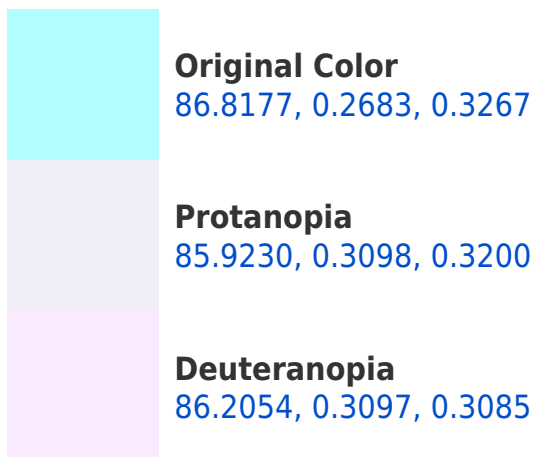


This preview shows how white text looks on a background with the Yxy color 86.8177, 0.2683, 0.3267.

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

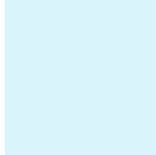
86.6709, 0.2873, 0.3186

Trichromacy



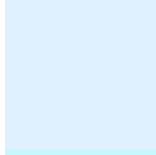
Original Color

86.8177, 0.2683, 0.3267



Protanomaly

85.8462, 0.2935, 0.3227



Deuteranomaly

85.8186, 0.2931, 0.3147



Tritanomaly

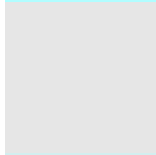
86.6342, 0.2800, 0.3216

Monochromacy



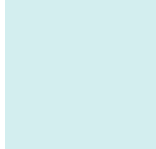
Original Color

86.8177, 0.2683, 0.3267



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.2300, 0.2947, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8177, 0.2683, 0.3267 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(177, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 253, 255)  
}
```

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(177, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.8177, 0.2683, 0.3267 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(177, 253, 255) }
```

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

```
.border{ border-color:rgb(177, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8177, 0.2683, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 253, 255) }
```

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

```
.background{ background-color: rgb(177,  
253, 255) }
```

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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