

Converting Colors

$Yxy(86.3006, 0.2623, 0.3262)$

Have a look what the booklet for
Yxy(86.3006, 0.2623, 0.3262)
contains.

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Color

Yxy(86.2106, 0.2632, 0.3278)

Conversions

Conversions Part 1

Format	Color
Hex	A6FEFF
RGB	166, 254, 255
RGB Percent	65%, 100%, 100%
CMY	0.3488, 0.0039, 0.0001
CMYK	0.35, 0.00, 0.00, 0.00
HSL	181°, 100%, 83%
HSV	181°, 35%, 100%
XYZ	69.2210, 86.2106, 107.5660
YIQ	227.8020, -52.7690, -18.3450

Conversions

Conversions Part 2

Format	Color
R_{YB}	166, 210, 255
Decimal	10944255
CIE _{Lab}	94.40, -26.02, -8.84
CIE _{LCh}	94, 27.481, 198.768
Y _{xy}	86.2106, 0.2632, 0.3278
Android (android.graphics.Color)	4289134335 (0xFFA6FEFF)
YUV	227.8020, 13.4086, -54.2004
Hunter-Lab	92.8497, -29.4122, -3.6925

Details

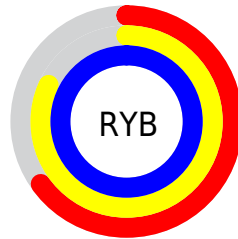
The Yxy color **86.2106, 0.2632, 0.3278** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.6530, 0.3960, 0.3303**, and the grayscale version is **77.3692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **47.2609, 0.2526, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **83.5501, 0.2520, 0.3274**, and if you desaturate by 10%, it is **89.4244, 0.2760, 0.3282**.

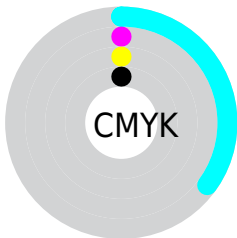
Distribution



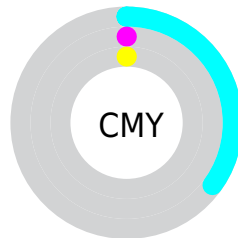
- Red (65%)
- Green (100%)
- Blue (100%)



- Red (65%)
- Yellow (82%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2106, 0.2632, 0.3278 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 86.2106, 0.2632, 0.3278 by changing the saturation by 10% instead.


 86.2106, 0.2632,
0.3278

 86.2106, 0.2632,
0.3278


515.6254, 0.2851,
0.3288

 64.8421, 0.2584,
0.3275


 142.0633, 0.2706,
0.3282

 47.3331, 0.2527,
0.3271


177.3164, 0.2735,
0.3283

 33.2990, 0.2455,
0.3265


217.9665, 0.2761,
0.3285

 22.3556, 0.2365,
0.3256

264.3979, 0.2783,
0.3285

 14.1184, 0.2248,
0.3243

316.9951, 0.2803,
0.3286

 8.2031, 0.2088,
0.3221


376.1425, 0.2821,


 4.2252, 0.1861,


0.3287


0.3181


442.2245, 0.2837,
0.3287

 1.8003, 0.1516,
0.3099


 0.4874, 0.0000,
0.2957


 86.2106, 0.2632,
0.3278

 86.2106, 0.2632,
0.3278


 83.5501, 0.2520,
0.3274


 89.4244, 0.2760,
0.3282

 81.4002, 0.2426,
0.3270

 93.2111, 0.2900,
0.3285

 79.7285, 0.2352,
0.3267

 97.6016, 0.3051,
0.3288

 78.4945, 0.2297,
0.3263

99.9975, 0.3127,
0.3290

■ 77.6511, 0.2261,
0.3259

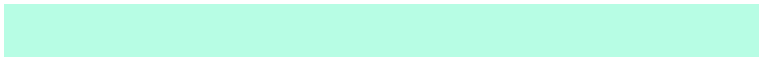
■ 77.1404, 0.2242,
0.3256

■ 76.9651, 0.2237,
0.3254

Harmonies

Analogous

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



86.2106, 0.2852, 0.3575



86.2106, 0.2632, 0.3278



86.2106, 0.2541, 0.3004

Triad

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



86.2106, 0.2632, 0.3278



86.2106, 0.3076, 0.2849



86.2106, 0.3679, 0.3743

Complementary

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



86.2106, 0.2632, 0.3278



51.6530, 0.3960, 0.3303

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.



86.2106, 0.3751, 0.3528



86.2106, 0.2632, 0.3278



86.2106, 0.3393, 0.3026

Square

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



86.2106, 0.2632, 0.3278



86.2106, 0.2787, 0.2775



86.2106, 0.3645, 0.3269



86.2106, 0.3457, 0.3848

Rectangle

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



86.2106, 0.2632, 0.3278



86.2106, 0.2562, 0.2872



86.2106, 0.3645, 0.3269



86.2106, 0.3722, 0.3680

Sweetspot

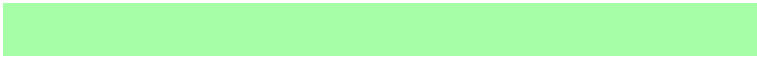
The Sweet Spot groups the original color and five complimentary colors.



86.2140, 0.2632, 0.3278



95.3044, 0.2973, 0.3287



82.3642, 0.3078, 0.4343



20.2685, 0.2952, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

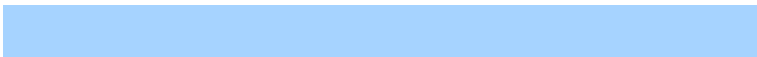
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2140, 0.2632, 0.3278



84.2891, 0.2551, 0.3275



61.6762, 0.2564, 0.2777



20.4457, 0.2980, 0.3287



40.2451, 0.2237, 0.3255



3.9290, 0.2239, 0.3259

Inverse Universe

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



55.7020, 0.3175, 0.2431



49.5540, 0.3185, 0.2265



70.3534, 0.3801, 0.3751



18.2968, 0.3140, 0.3058



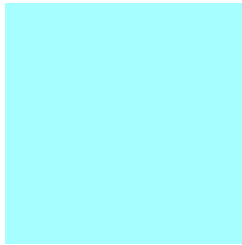
14.7907, 0.3236, 0.1557



1.4412, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 86.2106, 0.2632, 0.3278 looks on a white background.

Color Contrast Check

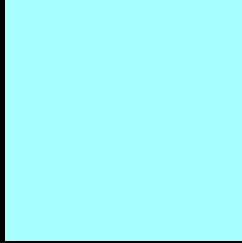
Large Text (above 18pt) WCAG AA × Fail

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 86.2106, 0.2632, 0.3278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

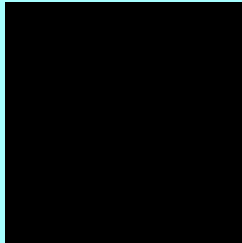
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.2106, 0.2632, 0.3278

Background



This preview shows how black text looks on a background with the Yxy color 86.2106, 0.2632, 0.3278.

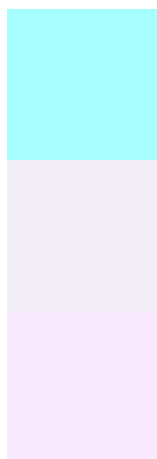


This preview shows how white text looks on a background with the Yxy color 86.2106, 0.2632, 0.3278.

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

86.2106, 0.2632, 0.3278

Protanopia

85.6253, 0.3104, 0.3220

Deuteranopia

85.4543, 0.3091, 0.3075



Tritanopia

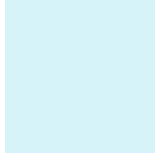
85.9347, 0.2843, 0.3185

Trichromacy



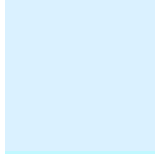
Original Color

86.2106, 0.2632, 0.3278



Protanomaly

85.0246, 0.2910, 0.3237



Deuteranomaly

85.0360, 0.2901, 0.3145



Tritanomaly

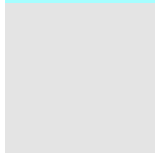
85.6923, 0.2761, 0.3215

Monochromacy



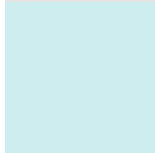
Original Color

86.2106, 0.2632, 0.3278



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.7206, 0.2916, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2106, 0.2632, 0.3278 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(166, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 254, 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(166, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.2106, 0.2632, 0.3278 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(166, 254, 255) }
```

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

```
.border{ border-color:rgb(166, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2106, 0.2632, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 254, 255) }
```

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

```
.background{ background-color: rgb(166,  
254, 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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