

Converting Colors

$Yxy(86.1553, 0.2656, 0.3368)$

Have a look what the booklet for
Yxy(86.1553, 0.2656, 0.3368)
contains.

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Color

Yxy(86.1898, 0.2656, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFF8
RGB	164, 255, 248
RGB Percent	64%, 100%, 97%
CMY	0.3569, 0.0000, 0.0274
CMYK	0.36, 0.00, 0.03, 0.00
HSL	175°, 100%, 82%
HSV	175°, 36%, 100%
XYZ	68.0095, 86.1898, 101.8607
YIQ	226.9930, -51.9890, -21.4690

Conversions

Conversions Part 2

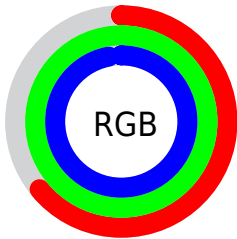
Format	Color
RYB	164, 211, 255
Decimal	10813432
CIELab	94.39, -28.62, -5.27
CIElCh	94, 29.103, 190.435
Yxy	86.1898, 0.2656, 0.3366
Android (android.graphics.Color)	4289003512 (0xFFA4FFF8)
YUV	226.9930, 10.3565, -55.2449
Hunter-Lab	92.8385, -31.7057, -0.0650

Details

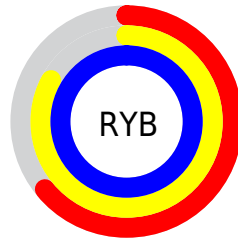
The Yxy color **86.1898, 0.2656, 0.3366** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.7425, 0.3924, 0.3219**, and the grayscale version is **76.7570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **47.3197, 0.2551, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **83.6207, 0.2553, 0.3391**, and if you desaturate by 10%, it is **89.3000, 0.2774, 0.3343**.

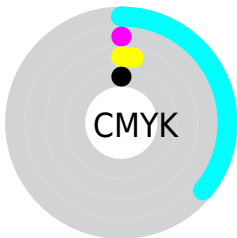
Distribution



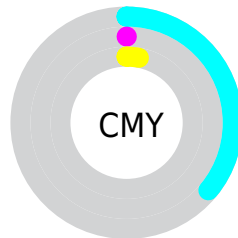
- Red (64%)
- Green (100%)
- Blue (97%)



- Red (64%)
- Yellow (83%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1898, 0.2656, 0.3366 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 86.1898, 0.2656, 0.3366 by changing the saturation by 10% instead.


 86.1898, 0.2656,
0.3366

 86.1898, 0.2656,
0.3366


515.5568, 0.2865,
0.3335

 64.8249, 0.2610,
0.3372

 142.0343, 0.2727,
0.3356

 47.3191, 0.2555,
0.3379


 177.2828, 0.2755,
0.3352

 33.2880, 0.2486,
0.3388


217.9279, 0.2779,
0.3348

 22.3472, 0.2399,
0.3398

264.3540, 0.2801,
0.3345

 14.1122, 0.2285,
0.3410

316.9456, 0.2819,
0.3342

 8.1988, 0.2129,
0.3423


376.0870, 0.2836,


 4.2224, 0.1906,


0.3340


0.3437


442.1626, 0.2851,
0.3337

 1.7987, 0.1561,
0.3442


 0.4864, 0.0000,
0.3513


 86.1898, 0.2656,
0.3366


 86.1898, 0.2656,
0.3366


 83.6207, 0.2553,
0.3391


 89.3000, 0.2774,
0.3343

 81.5661, 0.2467,
0.3416

 92.9873, 0.2905,
0.3321

 79.9876, 0.2401,
0.3442

 97.2774, 0.3045,
0.3301

 78.8445, 0.2354,
0.3469

100.0000, 0.3127,
0.3290

■ 78.0888, 0.2326,
0.3495

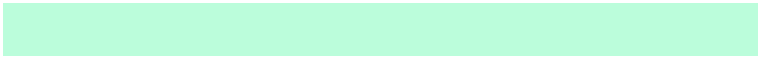
■ 77.6614, 0.2315,
0.3521

■ 77.5414, 0.2314,
0.3532

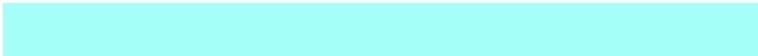
Harmonies

Analogous

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



86.1898, 0.2919, 0.3669



86.1898, 0.2656, 0.3366



86.1898, 0.2519, 0.3058

Triad

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



86.1898, 0.2656, 0.3366



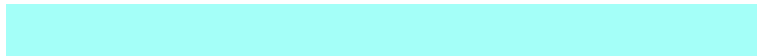
86.1898, 0.2981, 0.2791



86.1898, 0.3751, 0.3714

Complementary

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



86.1898, 0.2656, 0.3366



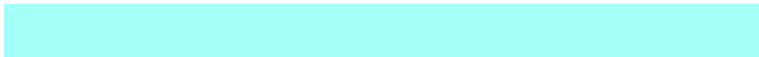
50.7425, 0.3924, 0.3219

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.



86.1898, 0.3776, 0.3466



86.1898, 0.2656, 0.3366



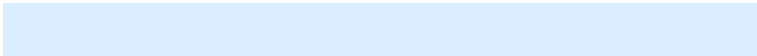
86.1898, 0.3318, 0.2951

Square

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



86.1898, 0.2656, 0.3366



86.1898, 0.2699, 0.2747



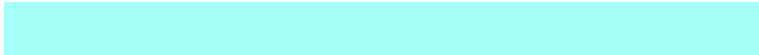
86.1898, 0.3614, 0.3191



86.1898, 0.3553, 0.3865

Rectangle

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



86.1898, 0.2656, 0.3366



86.1898, 0.2513, 0.2898



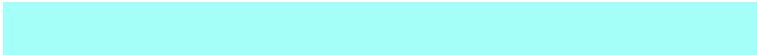
86.1898, 0.3614, 0.3191



86.1898, 0.3780, 0.3638

Sweetspot

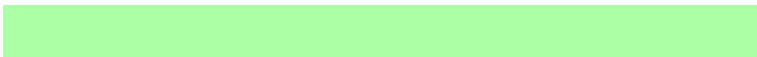
The Sweet Spot groups the original color and five complimentary colors.



86.1878, 0.2656, 0.3366



94.9247, 0.2969, 0.3311



82.9209, 0.3120, 0.4358



20.1951, 0.2950, 0.3314



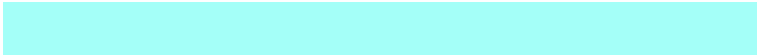
0.0000, 0.0000, 0.0000



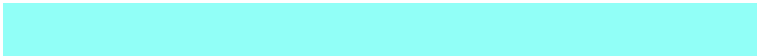
21.4041, 0.3127, 0.3290

Same Dimension

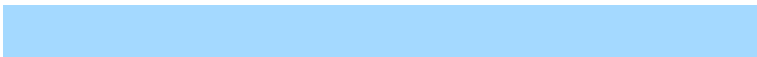
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1878, 0.2656, 0.3366



84.2606, 0.2579, 0.3384



64.7743, 0.2563, 0.2853



20.4560, 0.2990, 0.3308



40.5272, 0.2313, 0.3528



3.9529, 0.2305, 0.3498

Inverse Universe

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



50.7425, 0.3924, 0.3219



43.9436, 0.4174, 0.3205



66.1356, 0.3848, 0.3686



18.0097, 0.3282, 0.3272



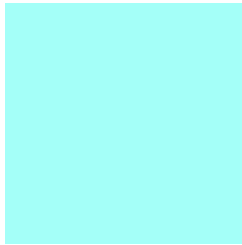
11.1424, 0.6320, 0.3255



1.0924, 0.6147, 0.3160

Previews

White Background



This preview shows how the Yxy color 86.1898, 0.2656, 0.3366 looks on a white background.

Color Contrast Check

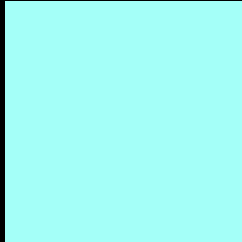
Large Text (above 18pt) WCAG AA × Fail

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 86.1898, 0.2656, 0.3366 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

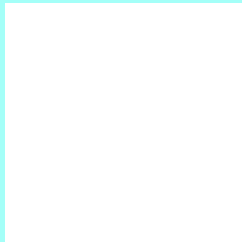
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1898, 0.2656, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 86.1898, 0.2656, 0.3366.

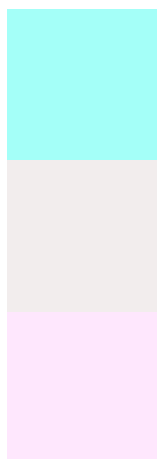


This preview shows how white text looks on a background with the Yxy color 86.1898, 0.2656, 0.3366.

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

86.1898, 0.2656, 0.3366

Protanopia

85.5600, 0.3160, 0.3290

Deuteranopia

85.3145, 0.3144, 0.3077



Tritanopia

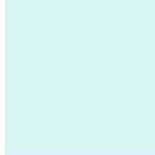
85.9347, 0.2843, 0.3185

Trichromacy



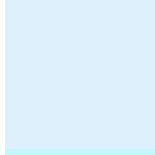
Original Color

86.1898, 0.2656, 0.3366



Protanomaly

85.3484, 0.2956, 0.3321



Deuteranomaly

84.6574, 0.2941, 0.3176



Tritanomaly

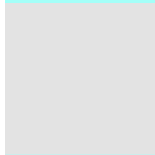
85.9861, 0.2772, 0.3257

Monochromacy



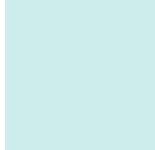
Original Color

86.1898, 0.2656, 0.3366



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4039, 0.2927, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1898, 0.2656, 0.3366 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(164, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 248)  
}
```

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(164, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 86.1898, 0.2656, 0.3366 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(164, 255, 248) }
```

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

```
.border{ border-color:rgb(164, 255, 248) }
```

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

Here you see how a box with a 4 pixel rgb(164, 255, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1898, 0.2656, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 248) }
```

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

```
.background{ background-color: rgb(164,  
255, 248) }
```

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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