

Converting Colors

$Y_{xy}(133.6680, 0.2761, 0.4058)$

Have a look what the booklet for
Yxy(133.6680, 0.2761, 0.4058)
contains.

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Color

Yxy(85.8233, 0.2684, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFF2
RGB	164, 255, 242
RGB Percent	64%, 100%, 95%
CMY	0.3572, 0.0000, 0.0510
CMYK	0.36, 0.00, 0.05, 0.00
HSL	171°, 100%, 82%
HSV	171°, 36%, 100%
XYZ	67.0791, 85.8233, 97.0198
YIQ	226.3090, -50.0630, -23.3350

Conversions

Conversions Part 2

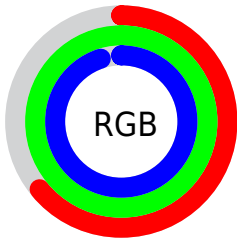
Format	Color
RYB	164, 213, 255
Decimal	10813426
CIELab	94.24, -29.99, -2.39
CIElCh	94, 30.090, 184.560
Yxy	85.8233, 0.2684, 0.3434
Android (android.graphics.Color)	4289003506 (0xFFA4FFF2)
YUV	226.3090, 7.7357, -54.6450
Hunter-Lab	92.6409, -32.8737, 2.7561

Details

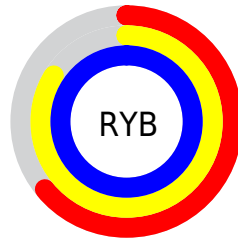
The Yxy color **85.8233, 0.2684, 0.3434** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.9471, 0.3866, 0.3155**, and the grayscale version is **76.2342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **47.1215, 0.2590, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **83.1507, 0.2587, 0.3481**, and if you desaturate by 10%, it is **89.0213, 0.2796, 0.3389**.

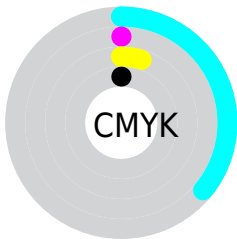
Distribution



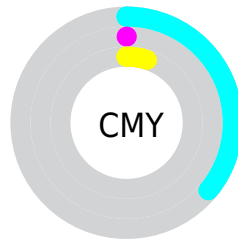
- Red (64%)
- Green (100%)
- Blue (95%)



- Red (64%)
- Yellow (84%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8233, 0.2684, 0.3434 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 85.8233, 0.2684, 0.3434 by changing the saturation by 10% instead.


 85.8233, 0.2684,
0.3434


 85.8233, 0.2684,
0.3434


514.3484, 0.2882,
0.3371

 64.5219, 0.2641,
0.3448


 141.5229, 0.2751,
0.3413

 47.0735, 0.2588,
0.3464

 176.6898, 0.2778,
0.3404

 33.0938, 0.2522,
0.3484


217.2474, 0.2801,
0.3397

 22.1983, 0.2439,
0.3509

263.5800, 0.2821,
0.3391

 14.0027, 0.2329,
0.3542

316.0720, 0.2839,
0.3385

 8.1225, 0.2179,
0.3585

375.1078, 0.2855,

 4.1734, 0.1960,

0.3380

0.3646

441.0718, 0.2869,
0.3375

■ 1.7711, 0.1615,
0.3734

■ 0.4690, 0.0000,
0.4089

■ 85.8233, 0.2684,
0.3434

■ 85.8233, 0.2684,
0.3434

■ 83.1507, 0.2587,
0.3481

■ 89.0213, 0.2796,
0.3389

■ 81.0048, 0.2506,
0.3530

■ 92.8088, 0.2918,
0.3348

■ 79.3381, 0.2444,
0.3580

■ 97.2022, 0.3049,
0.3310

■ 78.1096, 0.2402,
0.3631

100.0000, 0.3127,
0.3290

■ 77.2714, 0.2379,
0.3683

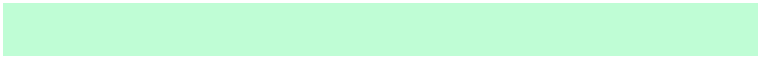
■ 76.7642, 0.2375,
0.3733

■ 76.6115, 0.2376,
0.3755

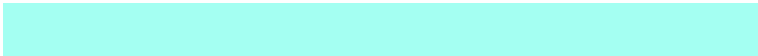
Harmonies

Analogous

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



85.8233, 0.2974, 0.3734



85.8233, 0.2684, 0.3434



85.8233, 0.2515, 0.3107

Triad

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



85.8233, 0.2684, 0.3434



85.8233, 0.2911, 0.2755



85.8233, 0.3794, 0.3682

Complementary

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



85.8233, 0.2684, 0.3434



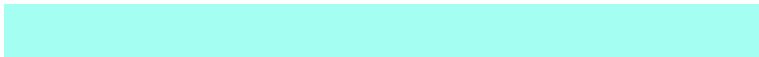
50.9471, 0.3866, 0.3155

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.



85.8233, 0.3781, 0.3415



85.8233, 0.2684, 0.3434



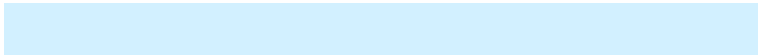
85.8233, 0.3256, 0.2899

Square

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



85.8233, 0.2684, 0.3434



85.8233, 0.2640, 0.2736



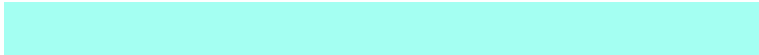
85.8233, 0.3580, 0.3134



85.8233, 0.3619, 0.3866

Rectangle

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



85.8233, 0.2684, 0.3434



85.8233, 0.2487, 0.2927



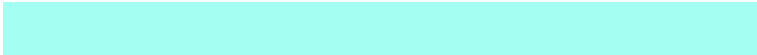
85.8233, 0.3580, 0.3134



85.8233, 0.3812, 0.3599

Sweetspot

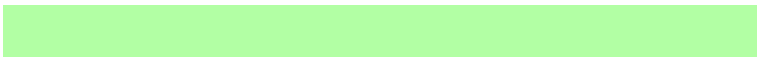
The Sweet Spot groups the original color and five complimentary colors.



85.8119, 0.2684, 0.3434



94.8073, 0.2979, 0.3330



83.6107, 0.3157, 0.4347



20.1669, 0.2962, 0.3335



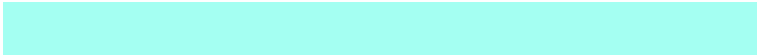
0.0000, 0.0000, 0.0000



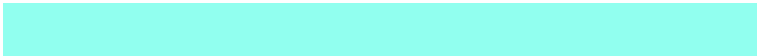
21.4041, 0.3127, 0.3290

Same Dimension

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



85.8119, 0.2684, 0.3434



83.8232, 0.2612, 0.3468



67.9394, 0.2573, 0.2925



20.4342, 0.2999, 0.3324



40.0483, 0.2374, 0.3746



3.9111, 0.2358, 0.3688

Inverse Universe

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



50.9471, 0.3866, 0.3155



44.1918, 0.4096, 0.3129



63.3205, 0.3871, 0.3625



18.0293, 0.3272, 0.3256



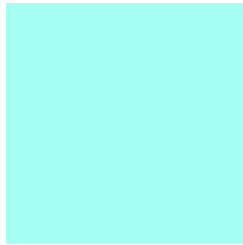
11.1895, 0.6213, 0.3196



1.1016, 0.5949, 0.3051

Previews

White Background



This preview shows how the Yxy color 85.8233, 0.2684, 0.3434 looks on a white background.

Color Contrast Check

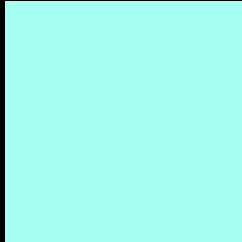
Large Text (above 18pt) WCAG AA × Fail

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 85.8233, 0.2684, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

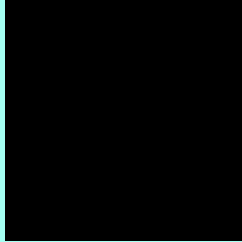
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

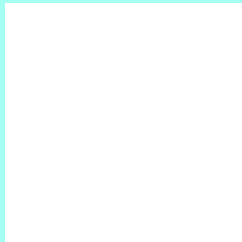
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8233, 0.2684, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 85.8233, 0.2684, 0.3434.

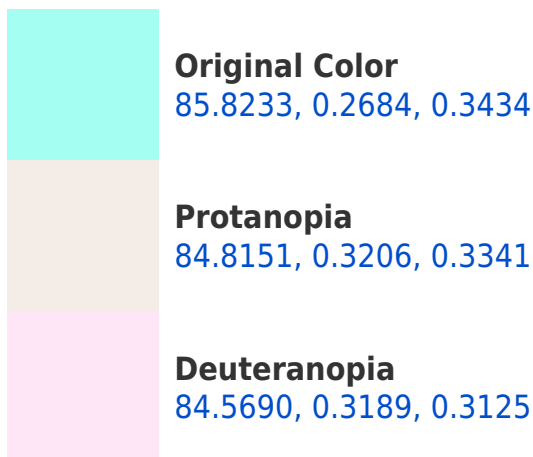


This preview shows how white text looks on a background with the Yxy color 85.8233, 0.2684, 0.3434.

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

85.1868, 0.2837, 0.3174

Trichromacy



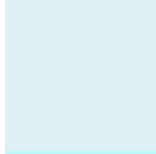
Original Color

85.8233, 0.2684, 0.3434



Protanomaly

84.3955, 0.2990, 0.3374



Deuteranomaly

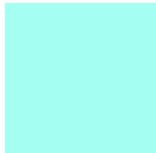
83.8552, 0.2982, 0.3227



Tritanomaly

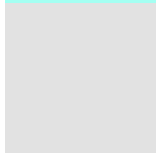
85.1133, 0.2776, 0.3268

Monochromacy



Original Color

85.8233, 0.2684, 0.3434



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0911, 0.2938, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8233, 0.2684, 0.3434 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 85.8233, 0.2684, 0.3434 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, 242) }
```

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

```
.border{ border-color:rgb(164, 255, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8233, 0.2684, 0.3434 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, 242) }
```

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

```
.background{ background-color: rgb(164,  
255, 242) }
```

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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