

Converting Colors

$Yxy(87.9972, 0.2714, 0.3497)$

Have a look what the booklet for
Yxy(87.9972, 0.2714, 0.3497)
contains.

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Color

Yxy(85.9675, 0.2713, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFEF
RGB	167, 255, 239
RGB Percent	65%, 100%, 94%
CMY	0.3453, 0.0000, 0.0627
CMYK	0.35, 0.00, 0.06, 0.00
HSL	169°, 100%, 83%
HSV	169°, 35%, 100%
XYZ	67.2714, 85.9675, 94.7205
YIQ	226.8640, -47.3120, -23.6320

Conversions

Conversions Part 2

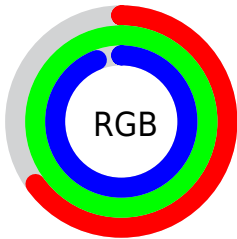
Format	Color
RYB	167, 215, 255
Decimal	11010031
CIELab	94.30, -29.84, -0.75
CIELCh	94, 29.845, 181.446
Yxy	85.9675, 0.2713, 0.3467
Android (android.graphics.Color)	4289200111 (0xFFA7FFEF)
YUV	226.8640, 5.9830, -52.5007
Hunter-Lab	92.7187, -32.7482, 4.3330

Details

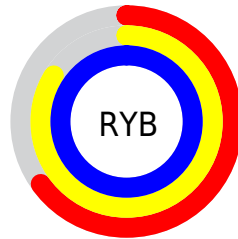
The Yxy color **85.9675, 0.2713, 0.3467** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.2995, 0.3799, 0.3124**, and the grayscale version is **76.6851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **47.1866, 0.2624, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **83.1860, 0.2617, 0.3527**, and if you desaturate by 10%, it is **89.2968, 0.2822, 0.3410**.

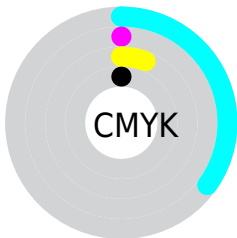
Distribution



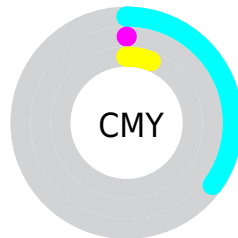
- Red (65%)
- Green (100%)
- Blue (94%)



- Red (65%)
- Yellow (84%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9675, 0.2713, 0.3467 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 85.9675, 0.2713, 0.3467 by changing the saturation by 10% instead.


 85.9675, 0.2713,
0.3467

 85.9675, 0.2713,
0.3467


514.8240, 0.2898,
0.3388

 64.6411, 0.2672,
0.3484


 141.7241, 0.2776,
0.3440

 47.1701, 0.2623,
0.3505


176.9232, 0.2801,
0.3430

 33.1702, 0.2561,
0.3531


217.5152, 0.2822,
0.3421

 22.2568, 0.2482,
0.3564

263.8846, 0.2841,
0.3413

 14.0457, 0.2378,
0.3608

316.4158, 0.2858,
0.3405

 8.1525, 0.2235,
0.3667

375.4932, 0.2873,

 4.1927, 0.2027,

0.3399

0.3753

441.5011, 0.2886,
0.3393

■ 1.7819, 0.1693,
0.3888

■ 0.4759, 0.0000,
0.4547

■ 85.9675, 0.2713,
0.3467

■ 85.9675, 0.2713,
0.3467

■ 83.1860, 0.2617,
0.3527

■ 89.2968, 0.2822,
0.3410

■ 80.9298, 0.2538,
0.3590

■ 93.2138, 0.2941,
0.3358

■ 79.1601, 0.2476,
0.3655

■ 97.7425, 0.3068,
0.3310

■ 77.8362, 0.2435,
0.3721

100.0000, 0.3127,
0.3290

■ 76.9115, 0.2413,
0.3788

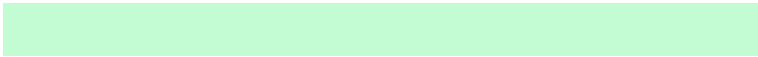
■ 76.3282, 0.2410,
0.3854

■ 76.1088, 0.2414,
0.3890

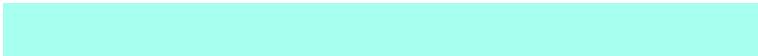
Harmonies

Analogous

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



85.9675, 0.3010, 0.3755



85.9675, 0.2713, 0.3467



85.9675, 0.2530, 0.3140

Triad

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



85.9675, 0.2713, 0.3467



85.9675, 0.2881, 0.2752



85.9675, 0.3796, 0.3654

Complementary

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



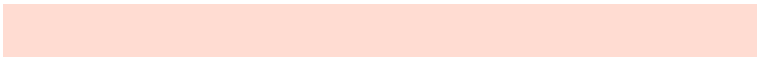
85.9675, 0.2713, 0.3467



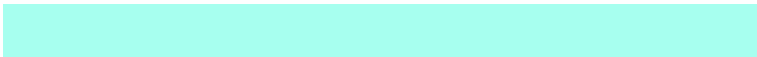
52.2995, 0.3799, 0.3124

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.



85.9675, 0.3762, 0.3385



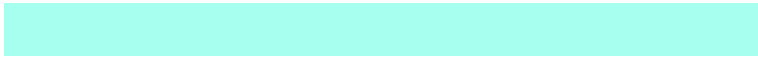
85.9675, 0.2713, 0.3467



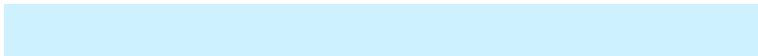
85.9675, 0.3218, 0.2882

Square

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



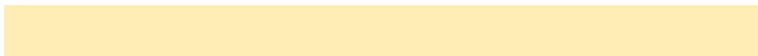
85.9675, 0.2713, 0.3467



85.9675, 0.2623, 0.2747



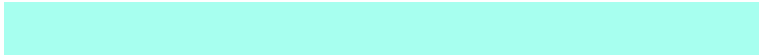
85.9675, 0.3547, 0.3109



85.9675, 0.3640, 0.3848

Rectangle

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



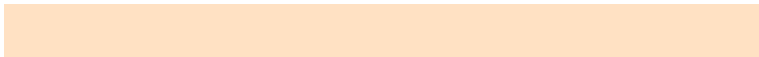
85.9675, 0.2713, 0.3467



85.9675, 0.2492, 0.2955



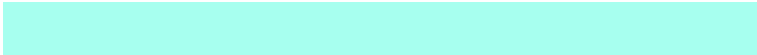
85.9675, 0.3547, 0.3109



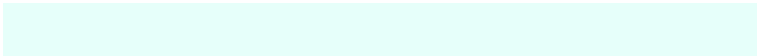
85.9675, 0.3807, 0.3569

Sweetspot

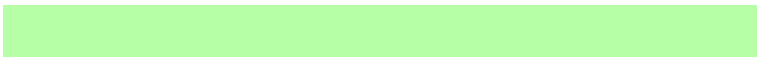
The Sweet Spot groups the original color and five complimentary colors.



85.9642, 0.2713, 0.3467



95.1858, 0.2998, 0.3336



84.3882, 0.3174, 0.4301



20.2397, 0.2980, 0.3343



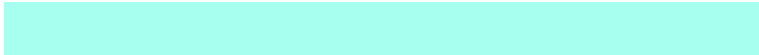
0.0000, 0.0000, 0.0000



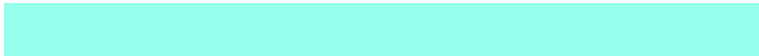
21.4041, 0.3127, 0.3290

Same Dimension

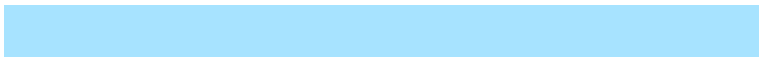
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9642, 0.2713, 0.3467



84.1040, 0.2649, 0.3505



70.4355, 0.2595, 0.2973



20.4215, 0.3004, 0.3333



39.7890, 0.2411, 0.3879



3.8882, 0.2390, 0.3803

Inverse Universe

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



52.2995, 0.3799, 0.3124



46.0974, 0.3987, 0.3093



63.0070, 0.3850, 0.3583



18.0409, 0.3266, 0.3247



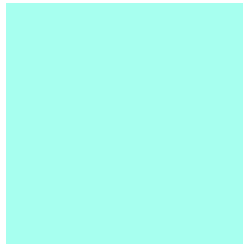
11.2285, 0.6127, 0.3149



1.1071, 0.5838, 0.2990

Previews

White Background



This preview shows how the Yxy color 85.9675, 0.2713, 0.3467 looks on a white background.

Color Contrast Check

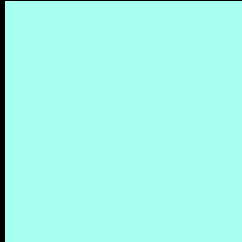
Large Text (above 18pt) WCAG AA × Fail

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 85.9675, 0.2713, 0.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

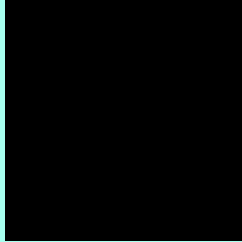
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

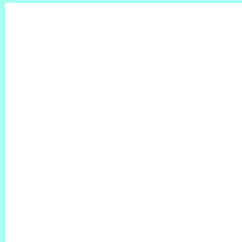
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.9675, 0.2713, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 85.9675, 0.2713, 0.3467.

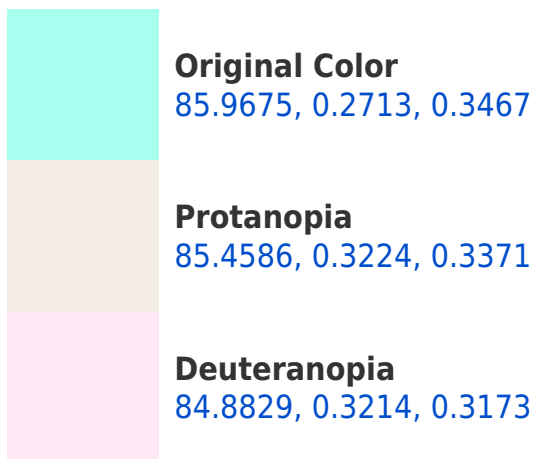


This preview shows how white text looks on a background with the Yxy color 85.9675, 0.2713, 0.3467.

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

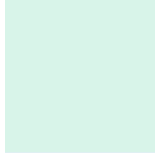
85.3313, 0.2843, 0.3175

Trichromacy



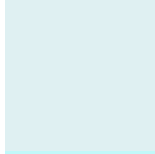
Original Color

85.9675, 0.2713, 0.3467



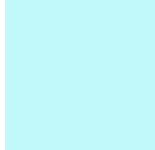
Protanomaly

85.1835, 0.3014, 0.3406



Deuteranomaly

84.4190, 0.3006, 0.3269



Tritanomaly

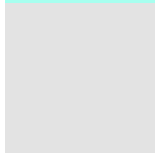
85.3118, 0.2792, 0.3278

Monochromacy



Original Color

85.9675, 0.2713, 0.3467



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3170, 0.2956, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9675, 0.2713, 0.3467 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(167, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 239)  
}
```

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(167, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 85.9675, 0.2713, 0.3467 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(167, 255, 239) }
```

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

```
.border{ border-color:rgb(167, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9675, 0.2713, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 239) }
```

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

```
.background{ background-color: rgb(167,  
255, 239) }
```

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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