

Converting Colors

$Yxy(86.7539, 0.2697, 0.3477)$

Have a look what the booklet for
Yxy(86.7539, 0.2697, 0.3477)
contains.

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Color

Yxy(85.7038, 0.2694, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFF0
RGB	164, 255, 240
RGB Percent	64%, 100%, 94%
CMY	0.3567, 0.0000, 0.0587
CMYK	0.36, 0.00, 0.06, 0.00
HSL	170°, 100%, 82%
HSV	170°, 36%, 100%
XYZ	66.8073, 85.7038, 95.4744
YIQ	226.0810, -49.4210, -23.9570

Conversions

Conversions Part 2

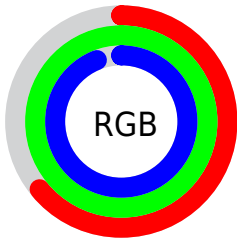
Format	Color
RYB	164, 214, 255
Decimal	10813424
CIELab	94.19, -30.38, -1.45
CIElCh	94, 30.411, 182.739
Yxy	85.7038, 0.2694, 0.3456
Android (android.graphics.Color)	4289003504 (0xFFA4FFF0)
YUV	226.0810, 6.8621, -54.4450
Hunter-Lab	92.5763, -33.1949, 3.6574

Details

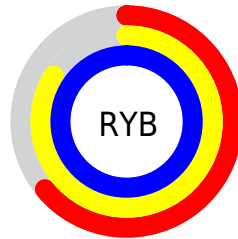
The Yxy color **85.7038, 0.2694, 0.3456** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.0832, 0.3845, 0.3135**, and the grayscale version is **76.1013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **47.0370, 0.2602, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **83.0131, 0.2599, 0.3511**, and if you desaturate by 10%, it is **88.9511, 0.2803, 0.3405**.

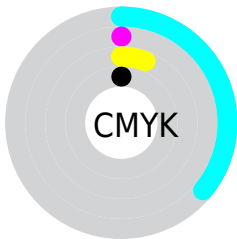
Distribution



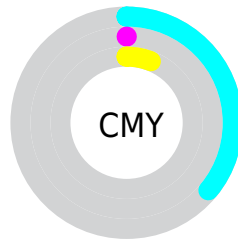
- Red (64%)
- Green (100%)
- Blue (94%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7038, 0.2694, 0.3456 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 85.7038, 0.2694, 0.3456 by changing the saturation by 10% instead.


 85.7038, 0.2694,
0.3456


 85.7038, 0.2694,
0.3456


513.9540, 0.2887,
0.3383

 64.4231, 0.2651,
0.3472


 141.3561, 0.2760,
0.3431

 46.9934, 0.2600,
0.3491


 176.4964, 0.2786,
0.3421

 33.0305, 0.2535,
0.3515


217.0254, 0.2808,
0.3413

 22.1498, 0.2453,
0.3546

263.3274, 0.2828,
0.3405

 13.9670, 0.2345,
0.3585

315.7869, 0.2845,
0.3399

 8.0977, 0.2197,
0.3639


374.7883, 0.2861,


 4.1575, 0.1980,


0.3393


0.3715


440.7158, 0.2875,
0.3387


 1.7621, 0.1634,
0.3833


 0.4634, 0.0000,
0.4333

 85.7038, 0.2694,
0.3456


 85.7038, 0.2694,
0.3456


 83.0131, 0.2599,
0.3511

 88.9511, 0.2803,
0.3405

 80.8359, 0.2519,
0.3568

 92.7746, 0.2924,
0.3357

 79.1394, 0.2459,
0.3626

 97.2057, 0.3052,
0.3313

 77.8827, 0.2418,
0.3686

99.9970, 0.3127,
0.3290

■ 77.0180, 0.2397,
0.3746

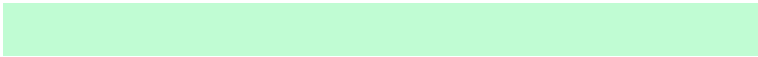
■ 76.4861, 0.2395,
0.3805

■ 76.3216, 0.2397,
0.3830

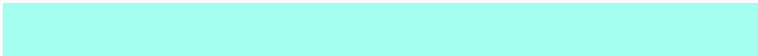
Harmonies

Analogous

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



85.7038, 0.2993, 0.3754



85.7038, 0.2694, 0.3456



85.7038, 0.2514, 0.3123

Triad

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



85.7038, 0.2694, 0.3456



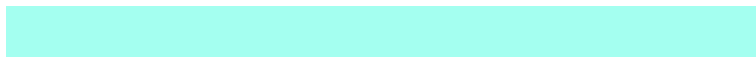
85.7038, 0.2889, 0.2745



85.7038, 0.3806, 0.3672

Complementary

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



85.7038, 0.2694, 0.3456



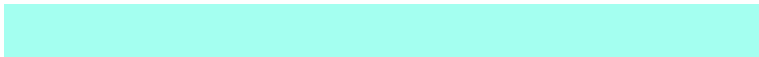
51.0832, 0.3845, 0.3135

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.



85.7038, 0.3781, 0.3399



85.7038, 0.2694, 0.3456



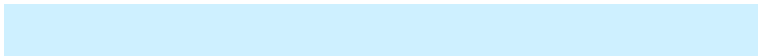
85.7038, 0.3235, 0.2883

Square

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



85.7038, 0.2694, 0.3456



85.7038, 0.2622, 0.2734



85.7038, 0.3568, 0.3116



85.7038, 0.3640, 0.3865

Rectangle

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



85.7038, 0.2694, 0.3456



85.7038, 0.2480, 0.2937



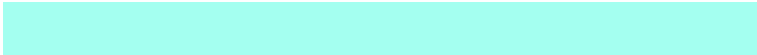
85.7038, 0.3568, 0.3116



85.7038, 0.3820, 0.3586

Sweetspot

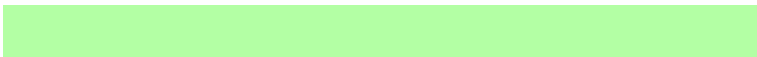
The Sweet Spot groups the original color and five complimentary colors.



85.7072, 0.2694, 0.3456



94.7689, 0.2983, 0.3336



83.8075, 0.3166, 0.4342



20.1577, 0.2965, 0.3342



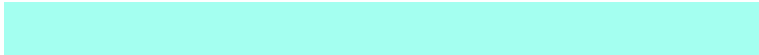
0.0000, 0.0000, 0.0000



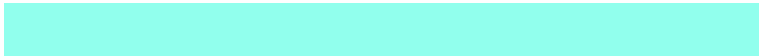
21.4041, 0.3127, 0.3290

Same Dimension

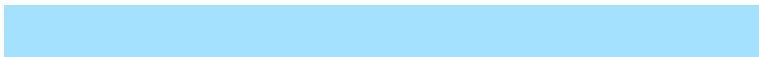
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7072, 0.2694, 0.3456



83.6829, 0.2622, 0.3496



68.7949, 0.2576, 0.2944



20.4271, 0.3002, 0.3329



39.9004, 0.2395, 0.3820



3.8980, 0.2376, 0.3753

Inverse Universe

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



51.0832, 0.3845, 0.3135



44.2768, 0.4070, 0.3103



62.6872, 0.3875, 0.3609



18.0359, 0.3268, 0.3251



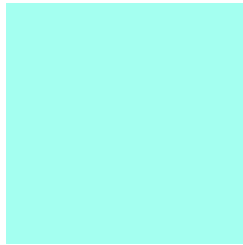
11.2103, 0.6166, 0.3171



1.1046, 0.5887, 0.3017

Previews

White Background



This preview shows how the Yxy color 85.7038, 0.2694, 0.3456 looks on a white background.

Color Contrast Check

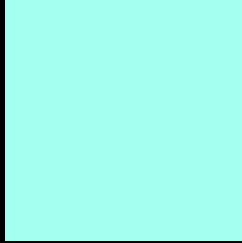
Large Text (above 18pt) WCAG AA × Fail

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 85.7038, 0.2694, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

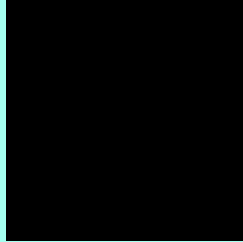
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

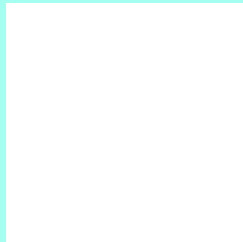
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7038, 0.2694, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 85.7038, 0.2694, 0.3456.

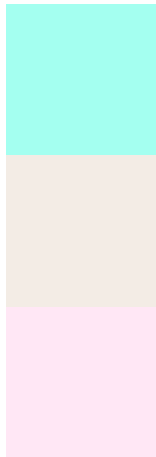


This preview shows how white text looks on a background with the Yxy color 85.7038, 0.2694, 0.3456.

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

85.7038, 0.2694, 0.3456

Protanopia

84.7027, 0.3218, 0.3361

Deuteranopia

85.0044, 0.3202, 0.3154



Tritanopia

85.1868, 0.2837, 0.3174

Trichromacy



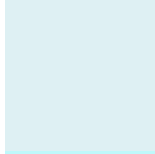
Original Color

85.7038, 0.2694, 0.3456



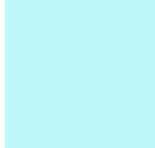
Protanomaly

84.2805, 0.3001, 0.3396



Deuteranomaly

84.3208, 0.2993, 0.3259



Tritanomaly

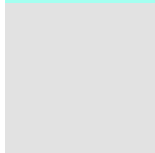
85.1133, 0.2776, 0.3268

Monochromacy



Original Color

85.7038, 0.2694, 0.3456



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0344, 0.2943, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7038, 0.2694, 0.3456 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 85.7038, 0.2694, 0.3456 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, 240) }
```

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

```
.border{ border-color:rgb(164, 255, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7038, 0.2694, 0.3456 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, 240) }
```

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

```
.background{ background-color: rgb(164,  
255, 240) }
```

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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