

Converting Colors

$Yxy(86.5423, 0.2731, 0.3454)$

Have a look what the booklet for
Yxy(86.5423, 0.2731, 0.3454)
contains.

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Color

Yxy(86.5819, 0.2733, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFF0
RGB	172, 255, 240
RGB Percent	67%, 100%, 94%
CMY	0.3257, 0.0000, 0.0589
CMYK	0.33, 0.00, 0.06, 0.00
HSL	169°, 100%, 84%
HSV	169°, 33%, 100%
XYZ	68.4887, 86.5819, 95.5283
YIQ	228.4730, -44.6530, -22.2610

Conversions

Conversions Part 2

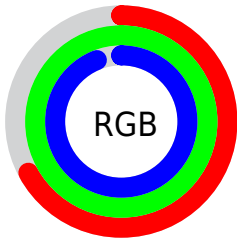
Format	Color
RYB	172, 218, 255
Decimal	11337712
CIELab	94.56, -28.29, -0.84
CIELCh	95, 28.307, 181.705
Yxy	86.5819, 0.2733, 0.3455
Android (android.graphics.Color)	4289527792 (0xFFACFF0)
YUV	228.4730, 5.6828, -49.5268
Hunter-Lab	93.0494, -31.4522, 4.2651

Details

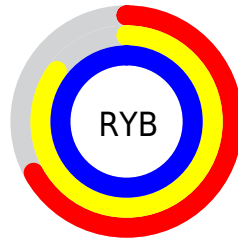
The Yxy color **86.5819, 0.2733, 0.3455** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.3264, 0.3747, 0.3134**, and the grayscale version is **77.9129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **47.5619, 0.2646, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **83.6910, 0.2634, 0.3514**, and if you desaturate by 10%, it is **90.0172, 0.2844, 0.3399**.

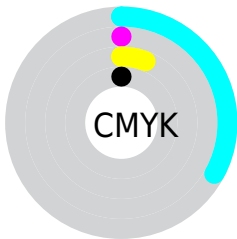
Distribution



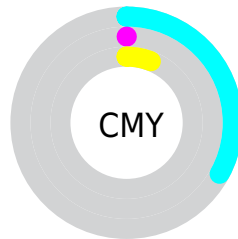
- Red (67%)
- Green (100%)
- Blue (94%)



- Red (67%)
- Yellow (85%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5819, 0.2733, 0.3455 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 86.5819, 0.2733, 0.3455 by changing the saturation by 10% instead.


 86.5819, 0.2733,
0.3455

 86.5819, 0.2733,
0.3455


516.8480, 0.2909,
0.3382

 65.1493, 0.2694,
0.3471

 142.5812, 0.2793,
0.3430

 47.5821, 0.2647,
0.3490


177.9167, 0.2816,
0.3420

 33.4961, 0.2589,
0.3515


218.6553, 0.2837,
0.3412

 22.5067, 0.2514,
0.3545

265.1813, 0.2855,
0.3404

 14.2297, 0.2415,
0.3585

317.8792, 0.2871,
0.3398

 8.2806, 0.2280,
0.3640

377.1334, 0.2885,

 4.2750, 0.2082,

0.3392

0.3720

443.3282, 0.2898,
0.3387

■ 1.8286, 0.1768,
0.3843

■ 0.5049, 0.0000,
0.4534

■ 86.5819, 0.2733,
0.3455

■ 86.5819, 0.2733,
0.3455

■ 83.6910, 0.2634,
0.3514

■ 90.0172, 0.2844,
0.3399

■ 81.3368, 0.2551,
0.3576

■ 94.0502, 0.2966,
0.3348

■ 79.4760, 0.2486,
0.3641

■ 98.7001, 0.3093,
0.3301

■ 78.0695, 0.2441,
0.3707

100.0000, 0.3127,
0.3290

■ 77.0719, 0.2415,
0.3773

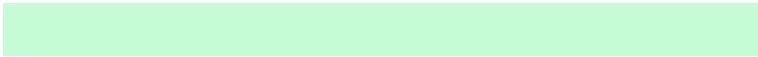
■ 76.4280, 0.2408,
0.3838

■ 76.1190, 0.2413,
0.3887

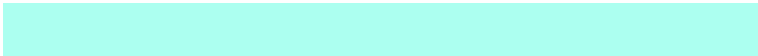
Harmonies

Analogous

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



86.5819, 0.3014, 0.3726



86.5819, 0.2733, 0.3455



86.5819, 0.2560, 0.3147

Triad

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



86.5819, 0.2733, 0.3455



86.5819, 0.2897, 0.2779



86.5819, 0.3759, 0.3639

Complementary

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



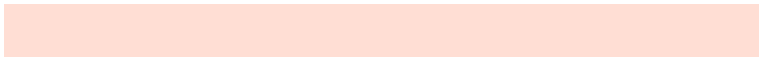
86.5819, 0.2733, 0.3455



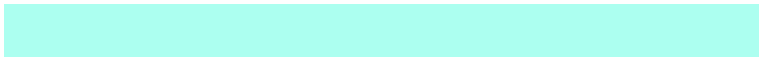
54.3264, 0.3747, 0.3134

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.



86.5819, 0.3729, 0.3384



86.5819, 0.2733, 0.3455



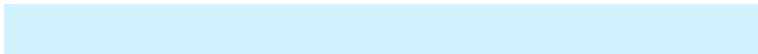
86.5819, 0.3217, 0.2905

Square

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



86.5819, 0.2733, 0.3455



86.5819, 0.2651, 0.2774



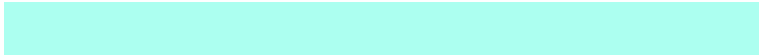
86.5819, 0.3526, 0.3121



86.5819, 0.3612, 0.3820

Rectangle

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



86.5819, 0.2733, 0.3455



86.5819, 0.2524, 0.2972



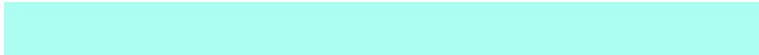
86.5819, 0.3526, 0.3121



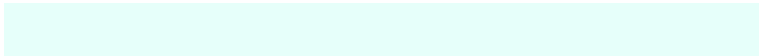
86.5819, 0.3770, 0.3559

Sweetspot

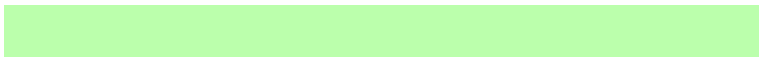
The Sweet Spot groups the original color and five complimentary colors.



86.5739, 0.2733, 0.3455



95.1871, 0.2998, 0.3336



85.0817, 0.3173, 0.4236



20.2400, 0.2980, 0.3342



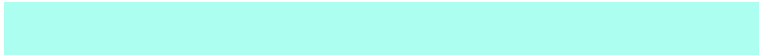
0.0000, 0.0000, 0.0000



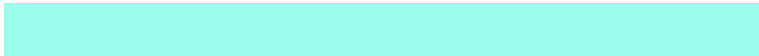
21.4041, 0.3127, 0.3290

Same Dimension

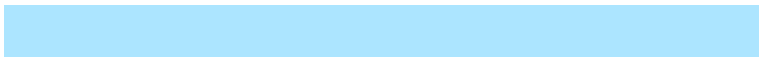
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5739, 0.2733, 0.3455



84.6590, 0.2668, 0.3492



71.8542, 0.2624, 0.2994



20.4218, 0.3004, 0.3333



39.7942, 0.2410, 0.3876



3.8886, 0.2389, 0.3801

Inverse Universe

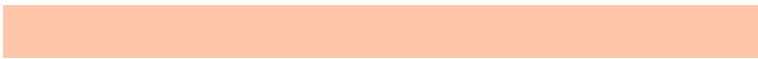
The Inverse Universe completely reimagines the original color for something new.



54.3264, 0.3747, 0.3134



47.9237, 0.3927, 0.3103



64.7339, 0.3797, 0.3566



18.0407, 0.3266, 0.3247



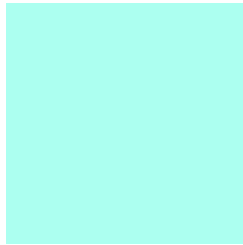
11.2276, 0.6129, 0.3150



1.1070, 0.5840, 0.2991

Previews

White Background



This preview shows how the Yxy color 86.5819, 0.2733, 0.3455 looks on a white background.

Color Contrast Check

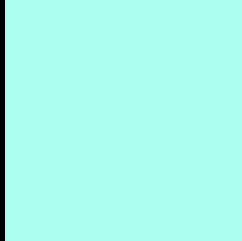
Large Text (above 18pt) WCAG AA × Fail

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 86.5819, 0.2733, 0.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

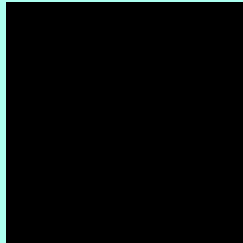
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5819, 0.2733, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 86.5819, 0.2733, 0.3455.

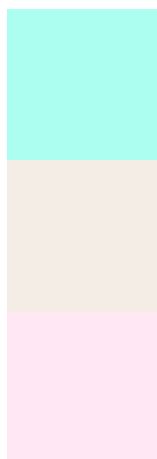


This preview shows how white text looks on a background with the Yxy color 86.5819, 0.2733, 0.3455.

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

86.5819, 0.2733, 0.3455

Protanopia

85.5146, 0.3218, 0.3361

Deuteranopia

85.5049, 0.3207, 0.3173



Tritanopia

85.7703, 0.2860, 0.3175

Trichromacy



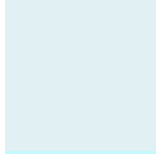
Original Color

86.5819, 0.2733, 0.3455



Protanomaly

85.5473, 0.3020, 0.3395



Deuteranomaly

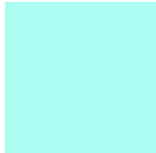
84.7988, 0.3012, 0.3259



Tritanomaly

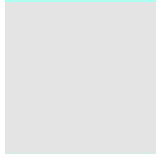
85.9072, 0.2809, 0.3268

Monochromacy



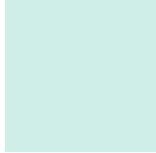
Original Color

86.5819, 0.2733, 0.3455



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3852, 0.2969, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5819, 0.2733, 0.3455 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(172, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 86.5819, 0.2733, 0.3455 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(172, 255, 240) }
```

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

```
.border{ border-color:rgb(172, 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(172, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5819, 0.2733, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 240) }
```

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

```
.background{ background-color: rgb(172,  
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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