

Converting Colors

$Yxy(79.8405, 0.2622, 0.3161)$

Have a look what the booklet for
Yxy(79.8405, 0.2622, 0.3161)
contains.

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Color

Yxy(79.5367, 0.2620, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	A7F3FF
RGB	167, 243, 255
RGB Percent	65%, 95%, 100%
CMY	0.3452, 0.0470, 0.0001
CMYK	0.35, 0.05, 0.00, 0.00
HSL	188°, 100%, 83%
HSV	188°, 35%, 100%
XYZ	66.0286, 79.5367, 106.4522
YIQ	221.6440, -49.1480, -12.3800

Conversions

Conversions Part 2

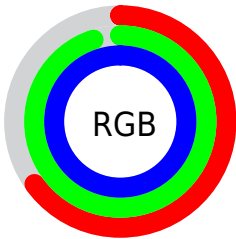
Format	Color
RYB	167, 208, 255
Decimal	11006975
CIELab	91.48, -20.43, -13.20
CIElCh	91, 24.324, 212.854
Yxy	79.5367, 0.2620, 0.3156
Android (android.graphics.Color)	4289197055 (0xFFA7F3FF)
YUV	221.6440, 16.4445, -47.9228
Hunter-Lab	89.1834, -23.9150, -8.3421

Details

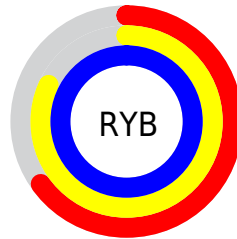
The Yxy color **79.5367, 0.2620, 0.3156** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.2568, 0.3907, 0.3418**, and the grayscale version is **72.6881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **42.9974, 0.2512, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **74.9775, 0.2495, 0.3111**, and if you desaturate by 10%, it is **84.6887, 0.2757, 0.3199**.

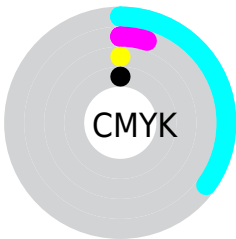
Distribution



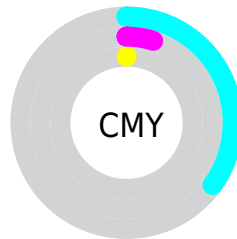
- Red (65%)
- Green (95%)
- Blue (100%)



- Red (65%)
- Yellow (82%)
- Blue (100%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5367, 0.2620, 0.3156 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 79.5367, 0.2620, 0.3156 by changing the saturation by 10% instead.


 79.5367, 0.2620,
0.3156

 79.5367, 0.2620,
0.3156

493.3701, 0.2847,
0.3222

 59.3372, 0.2570,
0.3140


 132.7142, 0.2697,
0.3179

 42.8846, 0.2509,
0.3121


166.4609, 0.2728,
0.3188

 29.7946, 0.2434,
0.3095


205.4921, 0.2754,
0.3196

 19.6827, 0.2338,
0.3061

250.1923, 0.2777,
0.3202

 12.1646, 0.2212,
0.3013

300.9458, 0.2798,
0.3208

 6.8559, 0.2040,
0.2943

358.1370, 0.2816,

 3.3721, 0.1792,

0.3213

0.2829

422.1503, 0.2832,
0.3218

■ 1.3290, 0.1400,
0.2625

■ 0.1635, 0.0000,
0.1287

■ 79.5367, 0.2620,
0.3156

■ 79.5367, 0.2620,
0.3156

■ 74.9775, 0.2495,
0.3111

■ 84.6887, 0.2757,
0.3199

■ 70.9691, 0.2386,
0.3064

■ 90.4539, 0.2904,
0.3238

■ 67.4787, 0.2295,
0.3016

■ 96.8633, 0.3057,
0.3275

■ 64.4659, 0.2223,
0.2968

99.9980, 0.3127,
0.3290

■ 61.8835, 0.2170,
0.2919

■ 59.6740, 0.2137,
0.2871

■ 58.5748, 0.2124,
0.2845

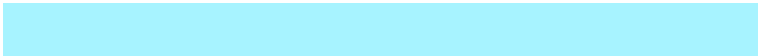
Harmonies

Analogous

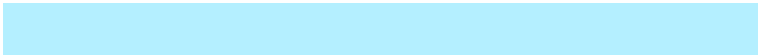
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5367, 0.2770, 0.3426



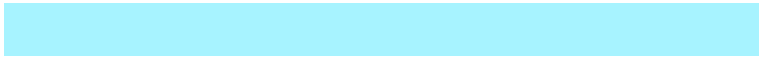
79.5367, 0.2620, 0.3156



79.5367, 0.2599, 0.2941

Triad

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



79.5367, 0.2620, 0.3156



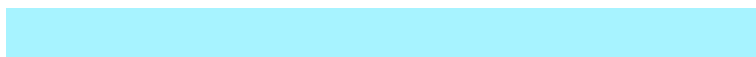
79.5367, 0.3219, 0.2953



79.5367, 0.3549, 0.3763

Complementary

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



79.5367, 0.2620, 0.3156



56.2568, 0.3907, 0.3418

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.



79.5367, 0.3683, 0.3609



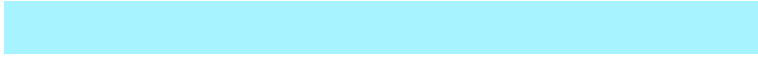
79.5367, 0.2620, 0.3156



79.5367, 0.3489, 0.3149

Square

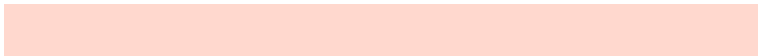
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.5367, 0.2620, 0.3156



79.5367, 0.2934, 0.2837



79.5367, 0.3662, 0.3385



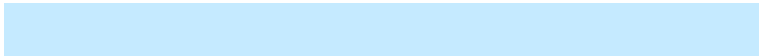
79.5367, 0.3303, 0.3790

Rectangle

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



79.5367, 0.2620, 0.3156



79.5367, 0.2660, 0.2854



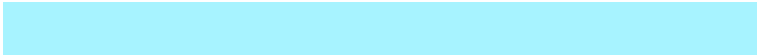
79.5367, 0.3662, 0.3385



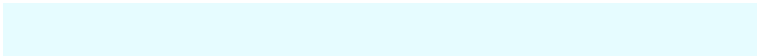
79.5367, 0.3609, 0.3724

Sweetspot

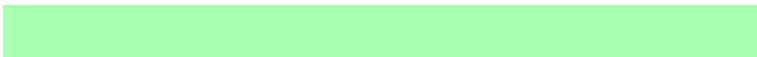
The Sweet Spot groups the original color and five complimentary colors.



79.5398, 0.2620, 0.3156



93.2896, 0.2972, 0.3255



82.9561, 0.3018, 0.4188



19.7773, 0.2951, 0.3250



0.0000, 0.0000, 0.0000



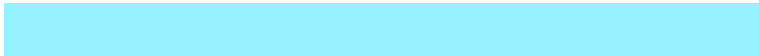
21.4041, 0.3127, 0.3290

Same Dimension

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



79.5398, 0.2620, 0.3156



76.5355, 0.2538, 0.3127



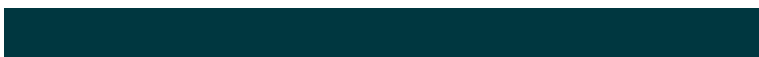
56.3888, 0.2551, 0.2642



20.0356, 0.2980, 0.3257



30.7780, 0.2126, 0.2853



3.1081, 0.2141, 0.2908

Inverse Universe

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



55.3550, 0.3262, 0.2536



49.5552, 0.3294, 0.2398



76.6613, 0.3752, 0.3860



18.2554, 0.3159, 0.3087



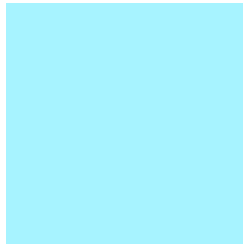
13.8350, 0.3586, 0.1749



1.3583, 0.3536, 0.1722

Previews

White Background



This preview shows how the Yxy color 79.5367, 0.2620, 0.3156 looks on a white background.

Color Contrast Check

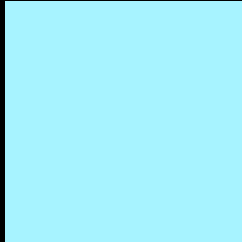
Large Text (above 18pt) WCAG AA × Fail

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 79.5367, 0.2620, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

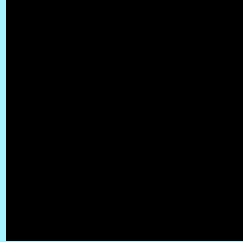
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5367, 0.2620, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 79.5367, 0.2620, 0.3156.

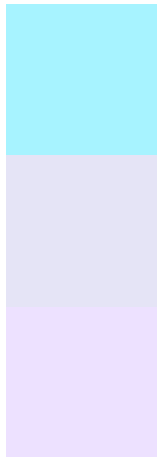


This preview shows how white text looks on a background with the Yxy color 79.5367, 0.2620, 0.3156.

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

79.5367, 0.2620, 0.3156

Protanopia

78.7986, 0.3021, 0.3104

Deuteranopia

79.0750, 0.3019, 0.2988



Tritanopia

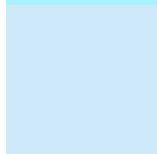
79.1434, 0.2703, 0.3115

Trichromacy



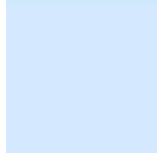
Original Color

79.5367, 0.2620, 0.3156



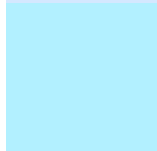
Protanomaly

78.2392, 0.2858, 0.3119



Deuteranomaly

78.9303, 0.2860, 0.3048



Tritanomaly

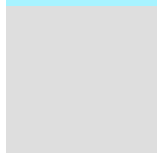
79.0052, 0.2672, 0.3124

Monochromacy



Original Color

79.5367, 0.2620, 0.3156



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.0907, 0.2918, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5367, 0.2620, 0.3156 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, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 243, 255)  
}
```

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, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.5367, 0.2620, 0.3156 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, 243, 255) }
```

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

```
.border{ border-color:rgb(167, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5367, 0.2620, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 243, 255) }
```

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

```
.background{ background-color: rgb(167,  
243, 255) }
```

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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