

Converting Colors

Yxy(83.5851, 0.2560, 0.3080)

Have a look what the booklet for
Yxy(83.5851, 0.2560, 0.3080)
contains.

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Color

Yxy(82.9707, 0.2619, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	A5F9FF
RGB	165, 249, 255
RGB Percent	65%, 98%, 100%
CMY	0.3530, 0.0235, 0.0000
CMYK	0.35, 0.02, 0.00, 0.00
HSL	184°, 100%, 82%
HSV	184°, 35%, 100%
XYZ	67.4427, 82.9707, 107.0997
YIQ	224.5680, -51.9900, -15.9420

Conversions

Conversions Part 2

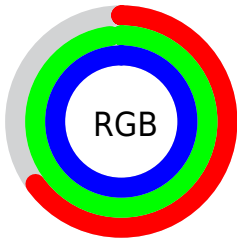
Format	Color
R_{YB}	165, 208, 255
Decimal	10877439
CIE _{Lab}	93.00, -23.87, -10.97
CIE _{LCh}	93, 26.268, 204.680
Yxy	82.9707, 0.2619, 0.3222
Android (android.graphics.Color)	4289067519 (0xFFA5F9FF)
YUV	224.5680, 15.0030, -52.2411
Hunter-Lab	91.0883, -27.2412, -5.9502

Details

The Yxy color **82.9707, 0.2619, 0.3222** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.0887, 0.3956, 0.3356**, and the grayscale version is **74.8830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **45.0277, 0.2514, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **79.4600, 0.2503, 0.3201**, and if you desaturate by 10%, it is **87.0375, 0.2750, 0.3243**.

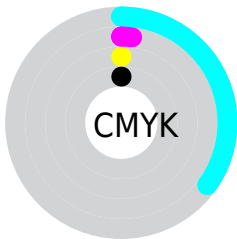
Distribution



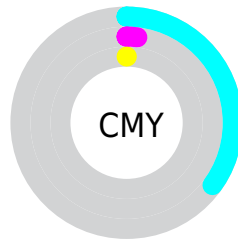
- Red (65%)
- Green (98%)
- Blue (100%)



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



- Cyan (35%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9707, 0.2619, 0.3222 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 82.9707, 0.2619, 0.3222 by changing the saturation by 10% instead.

 82.9707, 0.2619,
0.3222

 82.9707, 0.2619,
0.3222


504.8889, 0.2845,
0.3257

 62.1660, 0.2570,
0.3213

 137.5344, 0.2696,
0.3235

 45.1668, 0.2510,
0.3202


 172.0622, 0.2726,
0.3240

 31.5889, 0.2436,
0.3187


211.9332, 0.2752,
0.3244

 21.0477, 0.2342,
0.3166

257.5316, 0.2775,
0.3247

 13.1588, 0.2219,
0.3137

309.2421, 0.2796,
0.3250

 7.5380, 0.2051,
0.3093

367.4488, 0.2814,

 3.8008, 0.1812,

0.3253

0.3018

432.5363, 0.2830,
0.3255

■ 1.5628, 0.1446,
0.2876

■ 0.3323, 0.0000,
0.2260

■ 82.9707, 0.2619,
0.3222

■ 82.9707, 0.2619,
0.3222

■ 79.4600, 0.2503,
0.3201

■ 87.0375, 0.2750,
0.3243

■ 76.4704, 0.2403,
0.3178

■ 91.6880, 0.2893,
0.3263

■ 73.9667, 0.2322,
0.3155

■ 96.9507, 0.3044,
0.3281

■ 71.9082, 0.2261,
0.3132

100.0000, 0.3127,
0.3290

■ 70.2473, 0.2220,
0.3109

■ 68.9253, 0.2195,
0.3087

■ 68.3821, 0.2188,
0.3077

Harmonies

Analogous

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



82.9707, 0.2811, 0.3512



82.9707, 0.2619, 0.3222



82.9707, 0.2558, 0.2970

Triad

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



82.9707, 0.2619, 0.3222



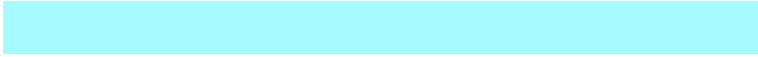
82.9707, 0.3139, 0.2889



82.9707, 0.3629, 0.3760

Complementary

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



82.9707, 0.2619, 0.3222



53.0887, 0.3956, 0.3356

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.



82.9707, 0.3731, 0.3568



82.9707, 0.2619, 0.3222



82.9707, 0.3441, 0.3077

Square

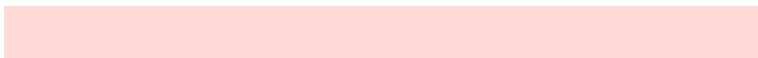
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9707, 0.2619, 0.3222



82.9707, 0.2847, 0.2795



82.9707, 0.3661, 0.3320



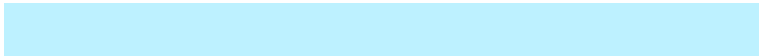
82.9707, 0.3393, 0.3832

Rectangle

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



82.9707, 0.2619, 0.3222



82.9707, 0.2597, 0.2857



82.9707, 0.3661, 0.3320



82.9707, 0.3681, 0.3706

Sweetspot

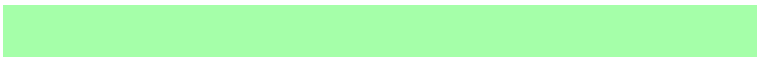
The Sweet Spot groups the original color and five complimentary colors.



82.9715, 0.2619, 0.3222



93.8770, 0.2957, 0.3271



82.3988, 0.3054, 0.4304



19.9433, 0.2937, 0.3268



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.



82.9715, 0.2619, 0.3222



80.5611, 0.2539, 0.3208



59.1113, 0.2550, 0.2715



20.2621, 0.2980, 0.3274



35.8194, 0.2189, 0.3080



3.5475, 0.2196, 0.3106

Inverse Universe

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



55.0002, 0.3216, 0.2464



49.1777, 0.3235, 0.2314



72.3159, 0.3795, 0.3801



18.2783, 0.3148, 0.3071



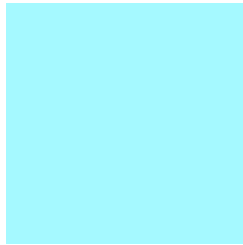
14.3440, 0.3384, 0.1638



1.4027, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 82.9707, 0.2619, 0.3222 looks on a white background.

Color Contrast Check

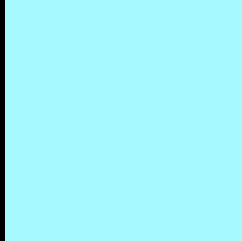
Large Text (above 18pt) WCAG AA × Fail

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 82.9707, 0.2619, 0.3222 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 82.9707, 0.2619, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 82.9707, 0.2619, 0.3222.

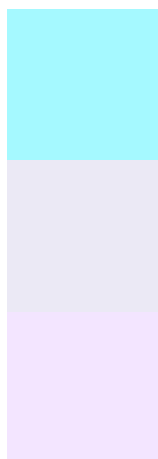


This preview shows how white text looks on a background with the Yxy color 82.9707, 0.2619, 0.3222.

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

82.9707, 0.2619, 0.3222

Protanopia

82.5326, 0.3066, 0.3168

Deuteranopia

82.3133, 0.3059, 0.3032



Tritanopia

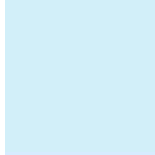
82.4600, 0.2773, 0.3151

Trichromacy



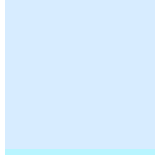
Original Color

82.9707, 0.2619, 0.3222



Protanomaly

82.2742, 0.2885, 0.3184



Deuteranomaly

81.6580, 0.2880, 0.3092



Tritanomaly

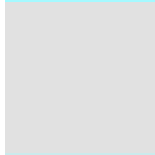
82.8391, 0.2715, 0.3181

Monochromacy



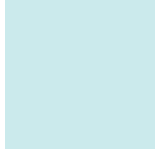
Original Color

82.9707, 0.2619, 0.3222



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.5983, 0.2914, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9707, 0.2619, 0.3222 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(165, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 249, 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(165, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.9707, 0.2619, 0.3222 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(165, 249, 255) }
```

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

```
.border{ border-color:rgb(165, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9707, 0.2619, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 249, 255) }
```

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

```
.background{ background-color: rgb(165,  
249, 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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