

Converting Colors

$Y_{xy}(82.8082, 0.2695, 0.3545)$

Have a look what the booklet for
Yxy(82.8082, 0.2695, 0.3545)
contains.

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Color

Yxy(82.9323, 0.2696, 0.3553)

Conversions

Conversions Part 1

Format	Color
Hex	9BFDE6
RGB	155, 253, 230
RGB Percent	61%, 99%, 90%
CMY	0.3921, 0.0078, 0.0980
CMYK	0.39, 0.00, 0.09, 0.01
HSL	166°, 96%, 80%
HSV	166°, 39%, 99%
XYZ	62.9286, 82.9323, 87.5539
YIQ	221.0760, -51.0250, -27.9290

Conversions

Conversions Part 2

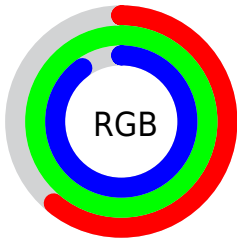
Format	Color
R _Y B	155, 211, 253
Decimal	10223078
CIE Lab	92.98, -33.98, 1.92
CIE LCh	93, 34.030, 176.759
Yxy	82.9323, 0.2696, 0.3553
Android (android.graphics.Color)	4288413158 (0xFF9BFDE6)
YUV	221.0760, 4.3995, -57.9487
Hunter-Lab	91.0672, -36.0216, 6.7444

Details

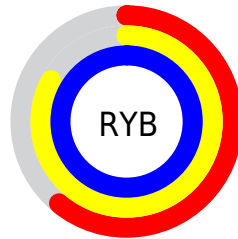
The Yxy color **82.9323, 0.2696, 0.3553** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.5486, 0.3865, 0.3049**, and the grayscale version is **72.3632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **45.1717, 0.2596, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **80.3607, 0.2612, 0.3634**, and if you desaturate by 10%, it is **86.0463, 0.2794, 0.3477**.

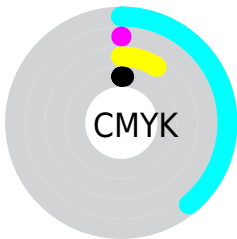
Distribution



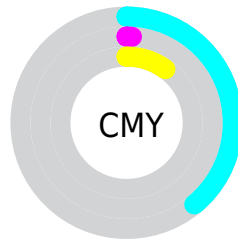
- Red (61%)
- Green (99%)
- Blue (90%)



- Red (61%)
- Yellow (83%)
- Blue (99%)



- Cyan (39%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)





- Cyan (39%)
- Magenta (1%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9323, 0.2696, 0.3553 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 82.9323, 0.2696, 0.3553 by changing the saturation by 10% instead.


 82.9323, 0.2696,
0.3553


 82.9323, 0.2696,
0.3553


504.7609, 0.2891,
0.3433

 62.1343, 0.2653,
0.3580


 137.4806, 0.2763,
0.3512

 45.1412, 0.2600,
0.3613


 171.9998, 0.2789,
0.3496

 31.5687, 0.2534,
0.3654


211.8614, 0.2811,
0.3482

 21.0323, 0.2449,
0.3707

257.4499, 0.2831,
0.3470

 13.1476, 0.2336,
0.3779

309.1497, 0.2849,
0.3459

 7.5303, 0.2178,
0.3880

367.3452, 0.2864,

 3.7959, 0.1946,

0.3450

432.4208, 0.2878,
0.3441

0.4031

1.5600, 0.1489,
0.4325

0.3304, 0.0000,
0.5946

82.9323, 0.2696,
0.3553

82.9323, 0.2696,
0.3553

80.3607, 0.2612,
0.3634

86.0463, 0.2794,
0.3477

78.2884, 0.2544,
0.3718

89.7231, 0.2904,
0.3406

76.6818, 0.2495,
0.3805

93.9938, 0.3021,
0.3342

75.4991, 0.2465,
0.3894

98.6517, 0.3135,
0.3283

■ 74.6903, 0.2456,
0.3982

98.7315, 0.3128,
0.3271

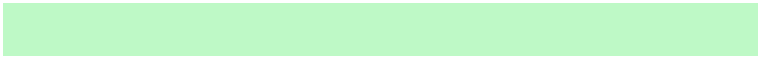
■ 74.1839, 0.2465,
0.4069

■ 74.1291, 0.2467,
0.4080

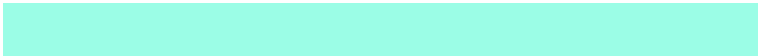
Harmonies

Analogous

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



82.9323, 0.3050, 0.3871



82.9323, 0.2696, 0.3553



82.9323, 0.2465, 0.3169

Triad

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



82.9323, 0.2696, 0.3553



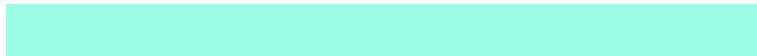
82.9323, 0.2788, 0.2664



82.9323, 0.3908, 0.3658

Complementary

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



82.9323, 0.2696, 0.3553



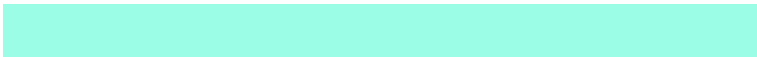
47.5486, 0.3865, 0.3049

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.



82.9323, 0.3836, 0.3344



82.9323, 0.2696, 0.3553



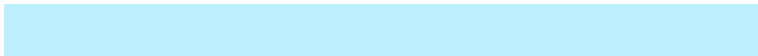
82.9323, 0.3167, 0.2793

Square

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



82.9323, 0.2696, 0.3553



82.9323, 0.2516, 0.2680



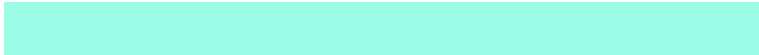
82.9323, 0.3557, 0.3035



82.9323, 0.3757, 0.3905

Rectangle

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



82.9323, 0.2696, 0.3553



82.9323, 0.2403, 0.2946



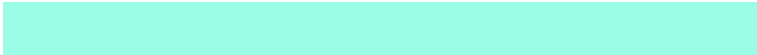
82.9323, 0.3557, 0.3035



82.9323, 0.3910, 0.3557

Sweetspot

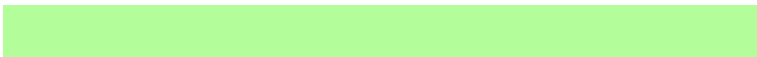
The Sweet Spot groups the original color and five complimentary colors.



82.9356, 0.2696, 0.3553



94.1972, 0.2982, 0.3362



82.2643, 0.3217, 0.4428



20.0386, 0.2966, 0.3370



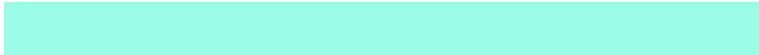
0.0000, 0.0000, 0.0000



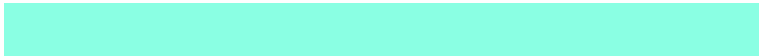
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9356, 0.2696, 0.3553



82.4695, 0.2633, 0.3612



69.8289, 0.2546, 0.3007



20.4042, 0.3011, 0.3346



39.4572, 0.2463, 0.4065



3.8586, 0.2435, 0.3966

Inverse Universe

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



47.5486, 0.3865, 0.3049



42.0762, 0.4079, 0.3006



55.6984, 0.3995, 0.3552



18.0569, 0.3257, 0.3234



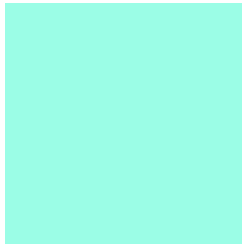
11.2975, 0.5982, 0.3069



1.1160, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 82.9323, 0.2696, 0.3553 looks on a white background.

Color Contrast Check

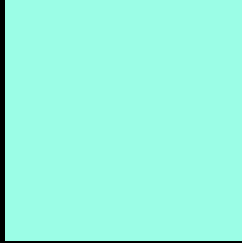
Large Text (above 18pt) WCAG AA × Fail

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 82.9323, 0.2696, 0.3553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

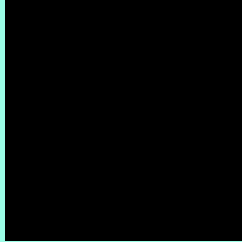
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

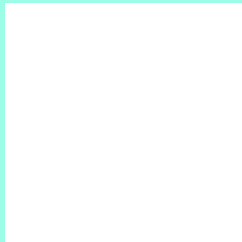
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9323, 0.2696, 0.3553

Background



This preview shows how black text looks on a background with the Yxy color 82.9323, 0.2696, 0.3553.

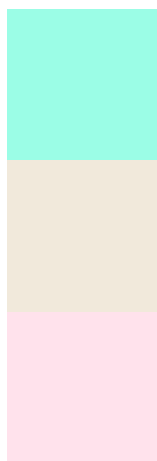


This preview shows how white text looks on a background with the Yxy color 82.9323, 0.2696, 0.3553.

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

82.9323, 0.2696, 0.3553

Protanopia

82.0931, 0.3272, 0.3434

Deuteranopia

81.7088, 0.3265, 0.3192



Tritanopia

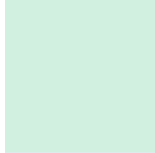
82.3264, 0.2767, 0.3150

Trichromacy



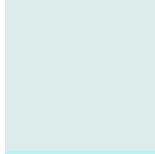
Original Color

82.9323, 0.2696, 0.3553



Protanomaly

81.3495, 0.3034, 0.3474



Deuteranomaly

80.9915, 0.3028, 0.3311



Tritanomaly

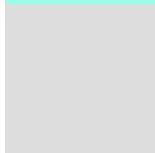
82.2687, 0.2735, 0.3289

Monochromacy



Original Color

82.9323, 0.2696, 0.3553



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.5300, 0.2945, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9323, 0.2696, 0.3553 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(155, 253, 230)` looks like.

```
.text, #text, p{  
    color:rgb(155, 253, 230)  
}
```

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(155, 253, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 253, 230) }
```

Border

The CSS property to change the border of an element to Yxy 82.9323, 0.2696, 0.3553 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(155, 253, 230) }
```

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

```
.border{ border-color:rgb(155, 253, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 253, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 253, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 253, 230);  
box-shadow:4px 4px 4px 4px rgb(155, 253,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9323, 0.2696, 0.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 253, 230) }
```

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

```
.background{ background-color: rgb(155,  
253, 230) }
```

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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