

Converting Colors

$Y_{xy}(100.0000, 0.2687, 0.3921)$

Have a look what the booklet for
Yxy(100.0000, 0.2687, 0.3921)
contains.

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Color

Yxy(82.3051, 0.2650, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	8AFFE0
RGB	138, 255, 224
RGB Percent	54%, 100%, 88%
CMY	0.4589, 0.0000, 0.1216
CMYK	0.46, 0.00, 0.12, 0.00
HSL	164°, 100%, 77%
HSV	164°, 46%, 100%
XYZ	59.6903, 82.3051, 83.2511
YIQ	216.4830, -59.7810, -34.4450

Conversions

Conversions Part 2

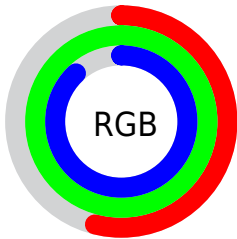
Format	Color
RYB	138, 205, 255
Decimal	9109472
CIELab	92.71, -40.40, 4.55
CIELCh	93, 40.651, 173.578
Yxy	82.3051, 0.2650, 0.3654
Android (android.graphics.Color)	4287299552 (0xFF8AFFE0)
YUV	216.4830, 3.7059, -68.8296
Hunter-Lab	90.7222, -41.3203, 9.0981

Details

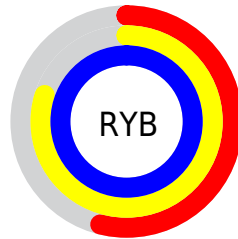
The Yxy color **82.3051, 0.2650, 0.3654** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.2930, 0.4036, 0.2969**, and the grayscale version is **69.0132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **44.8724, 0.2542, 0.3741** is the 20% darker color. If you saturate the color by 10%, you get **80.0175, 0.2580, 0.3749**, and if you desaturate by 10%, it is **85.1116, 0.2736, 0.3563**.

Distribution



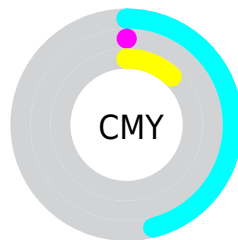
- Red (54%)
- Green (100%)
- Blue (88%)



- Red (54%)
- Yellow (80%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3051, 0.2650, 0.3654 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 82.3051, 0.2650, 0.3654 by changing the saturation by 10% instead.

 82.3051, 0.2650,
0.3654

 82.3051, 0.2650,
0.3654


502.6677, 0.2867,
0.3486

 61.6171, 0.2602,
0.3692


 136.6018, 0.2724,
0.3596

 44.7233, 0.2542,
0.3739


 170.9792, 0.2753,
0.3573

 31.2396, 0.2468,
0.3798


210.6885, 0.2779,
0.3554

 20.7813, 0.2372,
0.3875

256.1142, 0.2801,
0.3537

 12.9643, 0.2245,
0.3980

307.6405, 0.2820,
0.3522

 7.4039, 0.2067,
0.4129

365.6519, 0.2837,

 3.7160, 0.1803,

0.3509

430.5329, 0.2853,
0.3497

0.4358

1.5160, 0.1132,
0.4885

0.2999, 0.0000,
0.9718

82.3051, 0.2650,
0.3654

82.3051, 0.2650,
0.3654

80.0175, 0.2580,
0.3749

85.1116, 0.2736,
0.3563

78.2216, 0.2528,
0.3848

88.4791, 0.2834,
0.3478

76.8731, 0.2495,
0.3949

92.4348, 0.2943,
0.3400

75.9238, 0.2483,
0.4050

97.0066, 0.3058,
0.3329

■ 75.3140, 0.2491,
0.4149

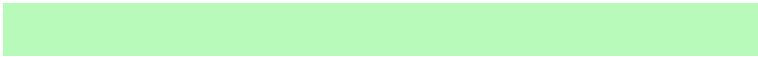
100.0000, 0.3127,
0.3290

■ 75.1261, 0.2497,
0.4190

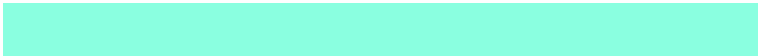
Harmonies

Analogous

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



82.3051, 0.3078, 0.4024



82.3051, 0.2650, 0.3654



82.3051, 0.2362, 0.3186

Triad

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



82.3051, 0.2650, 0.3654



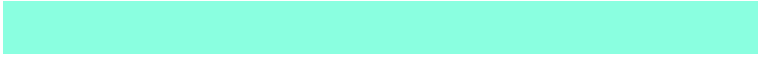
82.3051, 0.2680, 0.2545



82.3051, 0.4066, 0.3680

Complementary

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



82.3051, 0.2650, 0.3654



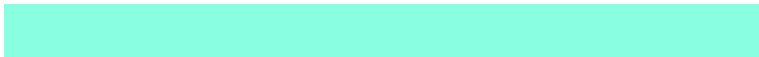
42.2930, 0.4036, 0.2969

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.



82.3051, 0.3953, 0.3306



82.3051, 0.2650, 0.3654



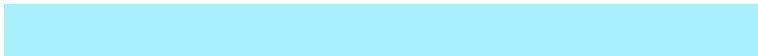
82.3051, 0.3120, 0.2681

Square

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



82.3051, 0.2650, 0.3654



82.3051, 0.2380, 0.2578



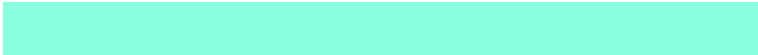
82.3051, 0.3595, 0.2952



82.3051, 0.3907, 0.3994

Rectangle

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



82.3051, 0.2650, 0.3654



82.3051, 0.2277, 0.2910



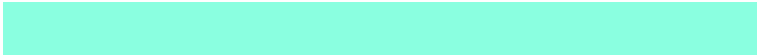
82.3051, 0.3595, 0.2952



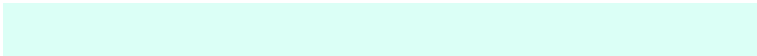
82.3051, 0.4060, 0.3557

Sweetspot

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



82.3020, 0.2650, 0.3654



93.2522, 0.2964, 0.3386



81.8091, 0.3235, 0.4664



19.7608, 0.2940, 0.3402



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

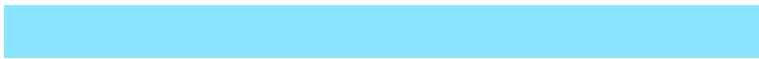
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3020, 0.2650, 0.3654



80.2012, 0.2585, 0.3741



67.9392, 0.2455, 0.2968



20.3944, 0.3015, 0.3354



39.2810, 0.2493, 0.4174



3.8427, 0.2461, 0.4060

Inverse Universe

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



42.2930, 0.4036, 0.2969



35.7288, 0.4327, 0.2917



50.1051, 0.4237, 0.3579



18.0661, 0.3252, 0.3227



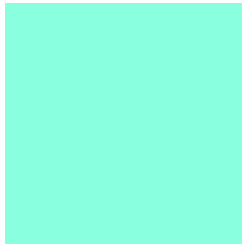
11.3450, 0.5888, 0.3017



1.1218, 0.5570, 0.2842

Previews

White Background



This preview shows how the Yxy color 82.3051, 0.2650, 0.3654 looks on a white background.

Color Contrast Check

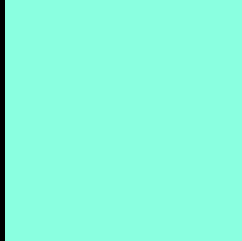
Large Text (above 18pt) WCAG AA × Fail

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 82.3051, 0.2650, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

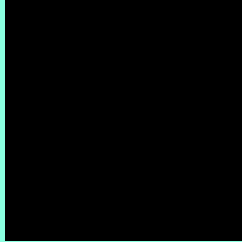
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3051, 0.2650, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 82.3051, 0.2650, 0.3654.

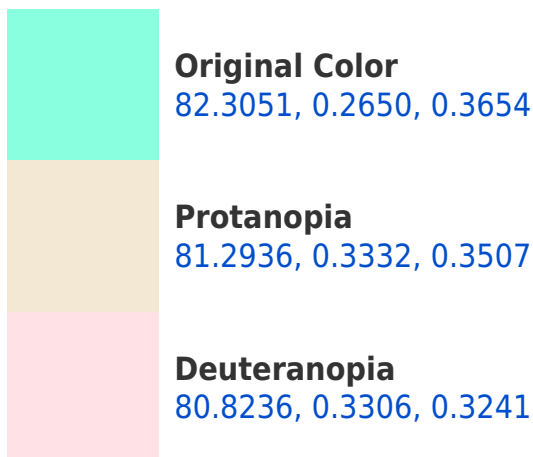


This preview shows how white text looks on a background with the Yxy color 82.3051, 0.2650, 0.3654.

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

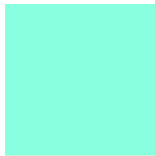




Tritanopia

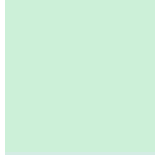
81.5431, 0.2734, 0.3149

Trichromacy



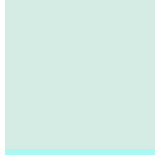
Original Color

82.3051, 0.2650, 0.3654



Protanomaly

80.1154, 0.3037, 0.3554



Deuteranomaly

79.5894, 0.3018, 0.3376



Tritanomaly

81.5992, 0.2694, 0.3322

Monochromacy



Original Color

82.3051, 0.2650, 0.3654



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3995, 0.2917, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3051, 0.2650, 0.3654 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(138, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 224)  
}
```

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(138, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 82.3051, 0.2650, 0.3654 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(138, 255, 224) }
```

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

```
.border{ border-color:rgb(138, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3051, 0.2650, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 224) }
```

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

```
.background{ background-color: rgb(138,  
255, 224) }
```

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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