

Converting Colors

$Yxy(81.9915, 0.2748, 0.3842)$

Have a look what the booklet for
Yxy(81.9915, 0.2748, 0.3842)
contains.

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Color

Yxy(82.0527, 0.2748, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	90FFD1
RGB	144, 255, 209
RGB Percent	56%, 100%, 82%
CMY	0.4350, 0.0000, 0.1803
CMYK	0.44, 0.00, 0.18, 0.00
HSL	155°, 100%, 78%
HSV	155°, 44%, 100%
XYZ	58.7802, 82.0527, 73.0688
YIQ	216.5670, -51.3900, -37.8380

Conversions

Conversions Part 2

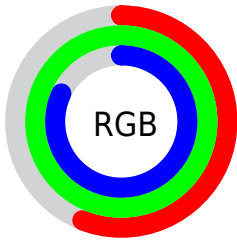
Format	Color
RYB	144, 214, 255
Decimal	9502673
CIELab	92.60, -42.10, 12.14
CIELCh	93, 43.818, 163.919
Yxy	82.0527, 0.2748, 0.3836
Android (android.graphics.Color)	4287692753 (0xFF90FFD1)
YUV	216.5670, -3.7305, -63.6413
Hunter-Lab	90.5829, -42.6897, 15.5817

Details

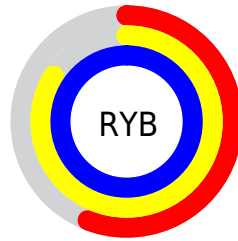
The Yxy color **82.0527, 0.2748, 0.3836** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.9469, 0.3790, 0.2814**, and the grayscale version is **69.1419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **44.7332, 0.2656, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **79.5056, 0.2687, 0.3990**, and if you desaturate by 10%, it is **85.1597, 0.2822, 0.3691**.

Distribution



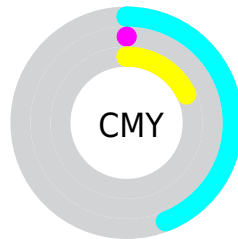
- Red (56%)
- Green (100%)
- Blue (82%)



- Red (56%)
- Yellow (84%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0527, 0.2748, 0.3836 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 82.0527, 0.2748, 0.3836 by changing the saturation by 10% instead.


 82.0527, 0.2748,
0.3836

 82.0527, 0.2748,
0.3836


501.8240, 0.2924,
0.3579

 61.4090, 0.2708,
0.3896


 136.2479, 0.2809,
0.3746

 44.5553, 0.2658,
0.3970

 170.5682, 0.2833,
0.3711

 31.1073, 0.2595,
0.4065


210.2161, 0.2853,
0.3681

 20.6806, 0.2512,
0.4191

255.5760, 0.2871,
0.3655

 12.8907, 0.2400,
0.4364

307.0324, 0.2887,
0.3633

 7.3533, 0.2239,
0.4617


364.9696, 0.2901,


 3.6840, 0.1989,


0.3613


0.5022

429.7719, 0.2913,
0.3595


 1.4984, 0.1207,
0.6076

 0.2876, 0.0000,
1.0000


 82.0527, 0.2748,
0.3836


 82.0527, 0.2748,
0.3836


 79.5056, 0.2687,
0.3990


 85.1597, 0.2822,
0.3691


 77.4725, 0.2643,
0.4150

 88.8494, 0.2907,
0.3558

 75.9163, 0.2618,
0.4314

 93.1552, 0.2998,
0.3436

 74.7901, 0.2614,
0.4478

 98.1051, 0.3093,
0.3326

■ 74.0373, 0.2631,
0.4638

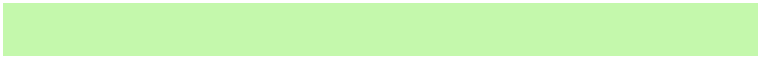
99.9962, 0.3127,
0.3290

■ 73.6955, 0.2650,
0.4739

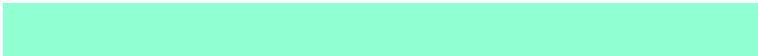
Harmonies

Analogous

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



82.0527, 0.3234, 0.4162



82.0527, 0.2748, 0.3836



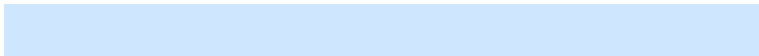
82.0527, 0.2383, 0.3336

Triad

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



82.0527, 0.2748, 0.3836



82.0527, 0.2523, 0.2482



82.0527, 0.4134, 0.3577

Complementary

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



82.0527, 0.2748, 0.3836



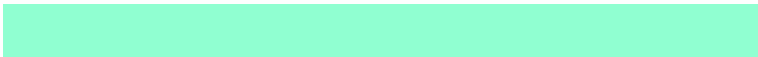
44.9469, 0.3790, 0.2814

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.



82.0527, 0.3918, 0.3176



82.0527, 0.2748, 0.3836



82.0527, 0.2954, 0.2574

Square

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



82.0527, 0.2748, 0.3836



82.0527, 0.2264, 0.2578



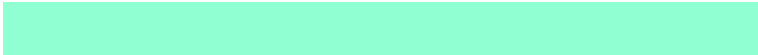
82.0527, 0.3471, 0.2821



82.0527, 0.4051, 0.3947

Rectangle

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



82.0527, 0.2748, 0.3836



82.0527, 0.2247, 0.3013



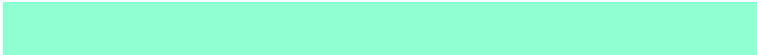
82.0527, 0.3471, 0.2821



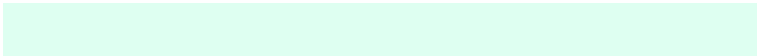
82.0527, 0.4095, 0.3442

Sweetspot

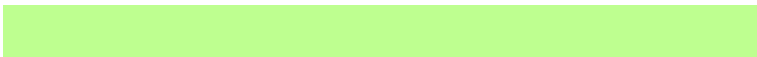
The Sweet Spot groups the original color and five complimentary colors.



82.0560, 0.2748, 0.3836



93.3923, 0.3003, 0.3430



84.5164, 0.3338, 0.4542



19.7732, 0.2982, 0.3456



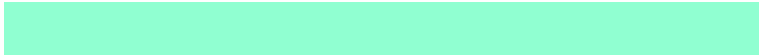
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.0560, 0.2748, 0.3836



79.8586, 0.2695, 0.3966



78.9151, 0.2519, 0.3183



20.3466, 0.3036, 0.3390



38.5400, 0.2643, 0.4713



3.7743, 0.2593, 0.4534

Inverse Universe

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



44.9469, 0.3790, 0.2814



38.4664, 0.3989, 0.2729



46.1603, 0.4239, 0.3390



18.1120, 0.3229, 0.3192



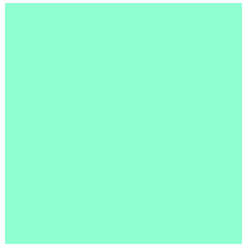
11.6774, 0.5324, 0.2707



1.1581, 0.5028, 0.2544

Previews

White Background



This preview shows how the Yxy color 82.0527, 0.2748, 0.3836 looks on a white background.

Color Contrast Check

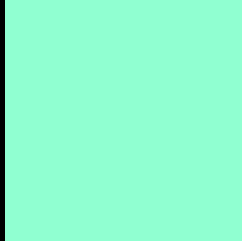
Large Text (above 18pt) WCAG AA × Fail

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 82.0527, 0.2748, 0.3836 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 82.0527, 0.2748, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 82.0527, 0.2748, 0.3836.

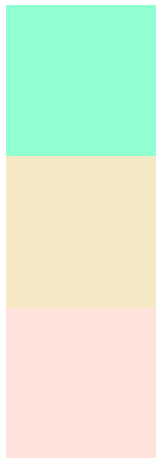


This preview shows how white text looks on a background with the Yxy color 82.0527, 0.2748, 0.3836.

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

82.0527, 0.2748, 0.3836

Protanopia

81.1569, 0.3447, 0.3652

Deuteranopia

80.7672, 0.3380, 0.3361



Tritanopia

81.6714, 0.2739, 0.3149

Trichromacy



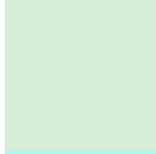
Original Color

82.0527, 0.2748, 0.3836



Protanomaly

79.9471, 0.3153, 0.3722



Deuteranomaly

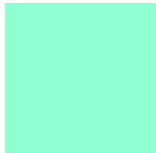
79.9217, 0.3116, 0.3529



Tritanomaly

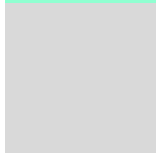
81.5788, 0.2739, 0.3390

Monochromacy



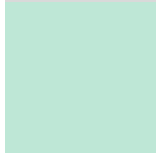
Original Color

82.0527, 0.2748, 0.3836



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.9540, 0.2959, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0527, 0.2748, 0.3836 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(144, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 209)  
}
```

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(144, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 82.0527, 0.2748, 0.3836 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(144, 255, 209) }
```

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

```
.border{ border-color:rgb(144, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0527, 0.2748, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 209) }
```

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

```
.background{ background-color: rgb(144,  
255, 209) }
```

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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