

Converting Colors

$Y_{xy}(100.0000, 0.2772, 0.3998)$

Have a look what the booklet for
Yxy(100.0000, 0.2772, 0.3998)
contains.

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Color

Yxy(82.9619, 0.2742, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	96FFD8
RGB	150, 255, 216
RGB Percent	59%, 100%, 85%
CMY	0.4119, 0.0000, 0.1529
CMYK	0.41, 0.00, 0.15, 0.00
HSL	158°, 100%, 79%
HSV	158°, 41%, 100%
XYZ	60.7265, 82.9619, 77.7795
YIQ	219.1590, -50.0610, -34.3890

Conversions

Conversions Part 2

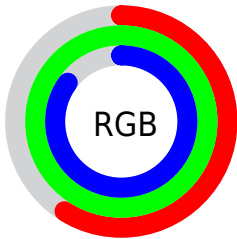
Format	Color
RYB	150, 214, 255
Decimal	9895896
CIELab	93.00, -39.18, 9.14
CIELCh	93, 40.228, 166.865
Yxy	82.9619, 0.2742, 0.3746
Android (android.graphics.Color)	4288085976 (0xFF96FFD8)
YUV	219.1590, -1.5574, -60.6524
Hunter-Lab	91.0834, -40.3877, 13.1284

Details

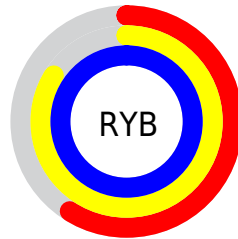
The Yxy color **82.9619, 0.2742, 0.3746** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.7318, 0.3786, 0.2885**, and the grayscale version is **70.9822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **45.2885, 0.2656, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **80.3217, 0.2674, 0.3880**, and if you desaturate by 10%, it is **86.1491, 0.2823, 0.3620**.

Distribution



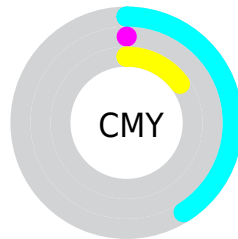
- Red (59%)
- Green (100%)
- Blue (85%)



- Red (59%)
- Yellow (84%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9619, 0.2742, 0.3746 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 82.9619, 0.2742, 0.3746 by changing the saturation by 10% instead.


 82.9619, 0.2742,
0.3746

 82.9619, 0.2742,
0.3746

504.8595, 0.2919,
0.3533

 62.1587, 0.2702,
0.3795


 137.5221, 0.2803,
0.3672

 45.1610, 0.2653,
0.3856


 172.0479, 0.2827,
0.3643

 31.5842, 0.2591,
0.3933

211.9167, 0.2847,
0.3618

 21.0441, 0.2510,
0.4034

257.5129, 0.2865,
0.3597

 13.1563, 0.2401,
0.4173

309.2209, 0.2881,
0.3578

 7.5362, 0.2247,
0.4375

367.4251, 0.2895,

 3.7997, 0.2012,

0.3561

0.4692

432.5098, 0.2908,
0.3547

■ 1.5621, 0.1418,
0.5385

■ 0.3319, 0.0000,
1.0000

■ 82.9619, 0.2742,
0.3746

■ 82.9619, 0.2742,
0.3746

■ 80.3217, 0.2674,
0.3880

■ 86.1491, 0.2823,
0.3620

■ 78.2048, 0.2622,
0.4022

■ 89.9264, 0.2915,
0.3503

■ 76.5682, 0.2589,
0.4167

■ 94.3193, 0.3013,
0.3397

■ 75.3672, 0.2576,
0.4313

■ 99.3553, 0.3115,
0.3301

■ 74.5480, 0.2585,
0.4457

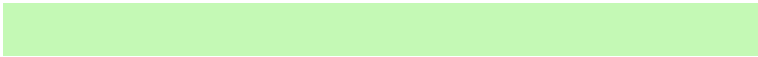
100.0000, 0.3127,
0.3290

■ 74.0697, 0.2606,
0.4581

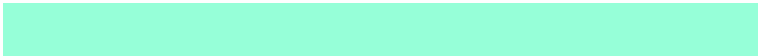
Harmonies

Analogous

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



82.9619, 0.3183, 0.4064



82.9619, 0.2742, 0.3746



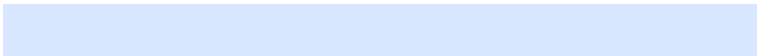
82.9619, 0.2419, 0.3289

Triad

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



82.9619, 0.2742, 0.3746



82.9619, 0.2605, 0.2546



82.9619, 0.4053, 0.3595

Complementary

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



82.9619, 0.2742, 0.3746



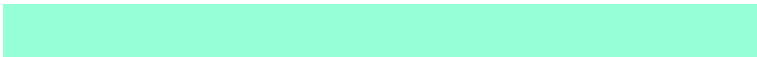
46.7318, 0.3786, 0.2885

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.



82.9619, 0.3881, 0.3224



82.9619, 0.2742, 0.3746



82.9619, 0.3016, 0.2645

Square

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



82.9619, 0.2742, 0.3746



82.9619, 0.2347, 0.2619



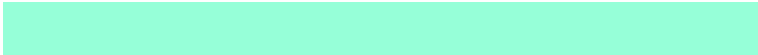
82.9619, 0.3489, 0.2887



82.9619, 0.3954, 0.3926

Rectangle

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



82.9619, 0.2742, 0.3746



82.9619, 0.2305, 0.3001



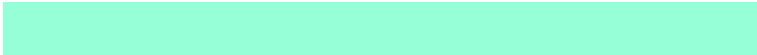
82.9619, 0.3489, 0.2887



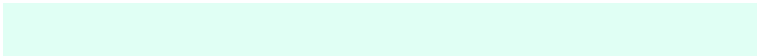
82.9619, 0.4025, 0.3472

Sweetspot

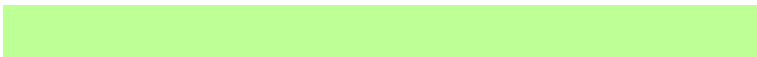
The Sweet Spot groups the original color and five complimentary colors.



82.9582, 0.2742, 0.3746



93.9411, 0.3005, 0.3405



84.6968, 0.3307, 0.4478



19.9782, 0.2992, 0.3418



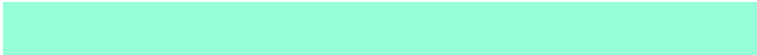
0.0000, 0.0000, 0.0000



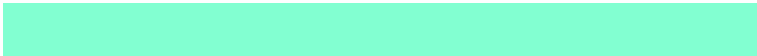
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9582, 0.2742, 0.3746



80.8541, 0.2687, 0.3850



77.6489, 0.2539, 0.3150



20.3604, 0.3030, 0.3380



38.7329, 0.2599, 0.4558



3.7924, 0.2554, 0.4396

Inverse Universe

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



46.7318, 0.3786, 0.2885



40.3905, 0.3977, 0.2813



49.3767, 0.4137, 0.3422



18.0986, 0.3236, 0.3202



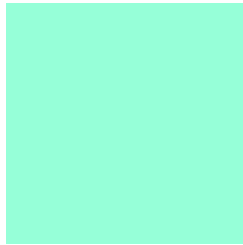
11.5638, 0.5500, 0.2803



1.1462, 0.5190, 0.2633

Previews

White Background



This preview shows how the Yxy color 82.9619, 0.2742, 0.3746 looks on a white background.

Color Contrast Check

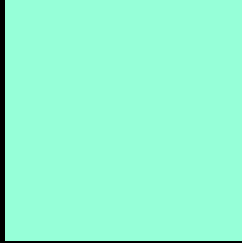
Large Text (above 18pt) WCAG AA × Fail

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 82.9619, 0.2742, 0.3746 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

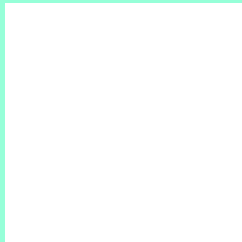
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9619, 0.2742, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 82.9619, 0.2742, 0.3746.

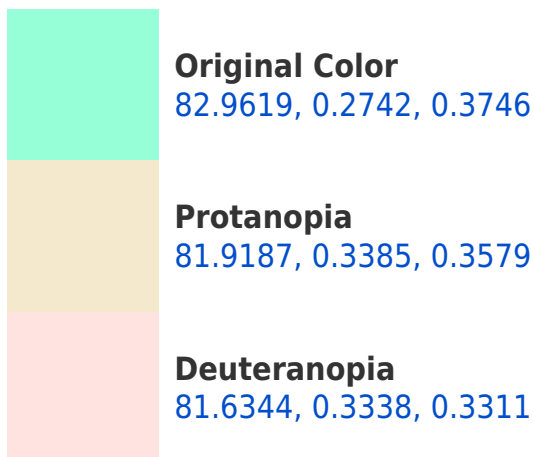


This preview shows how white text looks on a background with the Yxy color 82.9619, 0.2742, 0.3746.

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

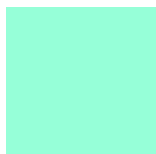




Tritanopia

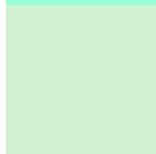
82.1936, 0.2761, 0.3150

Trichromacy



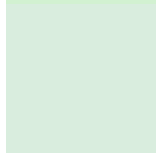
Original Color

82.9619, 0.2742, 0.3746



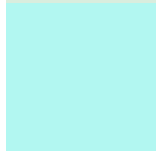
Protanomaly

81.2157, 0.3117, 0.3640



Deuteranomaly

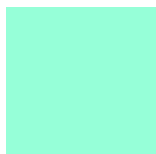
80.5940, 0.3087, 0.3451



Tritanomaly

82.3374, 0.2751, 0.3355

Monochromacy



Original Color

82.9619, 0.2742, 0.3746



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2445, 0.2961, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9619, 0.2742, 0.3746 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(150, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 216)  
}
```

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(150, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 82.9619, 0.2742, 0.3746 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(150, 255, 216) }
```

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

```
.border{ border-color:rgb(150, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9619, 0.2742, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 216) }
```

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

```
.background{ background-color: rgb(150,  
255, 216) }
```

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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