

Converting Colors

$Y_{xy}(100.0000, 0.2708, 0.3936)$

Have a look what the booklet for
Yxy(100.0000, 0.2708, 0.3936)
contains.

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Color

Yxy(82.5104, 0.2668, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	8DFFDF
RGB	141, 255, 223
RGB Percent	55%, 100%, 87%
CMY	0.4469, 0.0000, 0.1256
CMYK	0.45, 0.00, 0.13, 0.00
HSL	163°, 100%, 78%
HSV	163°, 45%, 100%
XYZ	60.0649, 82.5104, 82.5554
YIQ	217.2660, -57.6720, -34.1200

Conversions

Conversions Part 2

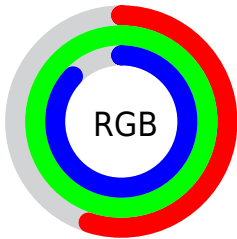
Format	Color
RYB	141, 207, 255
Decimal	9306079
CIELab	92.80, -39.89, 5.21
CIELCh	93, 40.231, 172.554
Yxy	82.5104, 0.2668, 0.3665
Android (android.graphics.Color)	4287496159 (0xFF8DFFDF)
YUV	217.2660, 2.8269, -66.8853
Hunter-Lab	90.8352, -40.9284, 9.6991

Details

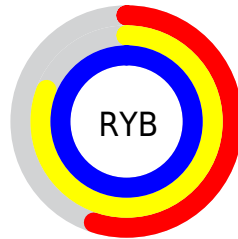
The Yxy color **82.5104, 0.2668, 0.3665** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.3387, 0.3980, 0.2958**, and the grayscale version is **69.5945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **45.0092, 0.2565, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **80.1493, 0.2597, 0.3766**, and if you desaturate by 10%, it is **85.4059, 0.2754, 0.3569**.

Distribution



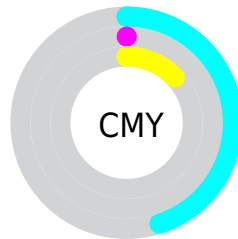
- Red (55%)
- Green (100%)
- Blue (87%)



- Red (55%)
- Yellow (81%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5104, 0.2668, 0.3665 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 82.5104, 0.2668, 0.3665 by changing the saturation by 10% instead.


 82.5104, 0.2668,
0.3665


 82.5104, 0.2668,
0.3665

503.3534, 0.2877,
0.3492

 61.7863, 0.2621,
0.3704


 136.8895, 0.2740,
0.3605

 44.8601, 0.2564,
0.3753


 171.3134, 0.2768,
0.3582

 31.3472, 0.2492,
0.3814

211.0726, 0.2792,
0.3562

 20.8634, 0.2400,
0.3895

256.5516, 0.2813,
0.3544

 13.0242, 0.2276,
0.4003

308.1348, 0.2832,
0.3529

 7.4452, 0.2103,
0.4159


366.2066, 0.2849,


 3.7421, 0.1846,


0.3515


431.1513, 0.2863,
0.3503


0.4399


 1.5303, 0.1204,
0.4940


 0.3099, 0.0000,
1.0000


 82.5104, 0.2668,
0.3665

 82.5104, 0.2668,
0.3665


 80.1493, 0.2597,
0.3766


 85.4059, 0.2754,
0.3569


 78.2813, 0.2544,
0.3871

 88.8632, 0.2852,
0.3480

 76.8678, 0.2511,
0.3978

 92.9139, 0.2959,
0.3397

 75.8613, 0.2498,
0.4086

 97.5858, 0.3073,
0.3323

■ 75.2041, 0.2504,
0.4193

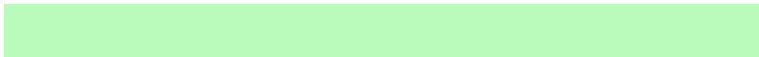
100.0000, 0.3127,
0.3290

■ 74.9535, 0.2514,
0.4249

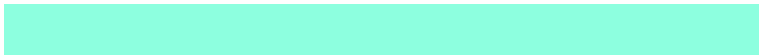
Harmonies

Analogous

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



82.5104, 0.3095, 0.4024



82.5104, 0.2668, 0.3665



82.5104, 0.2376, 0.3203

Triad

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



82.5104, 0.2668, 0.3665



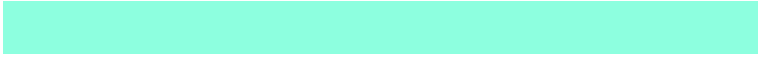
82.5104, 0.2672, 0.2551



82.5104, 0.4057, 0.3664

Complementary

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



82.5104, 0.2668, 0.3665



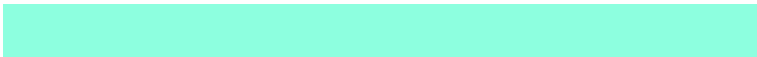
43.3387, 0.3980, 0.2958

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.



82.5104, 0.3935, 0.3293



82.5104, 0.2668, 0.3665



82.5104, 0.3104, 0.2680

Square

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



82.5104, 0.2668, 0.3665



82.5104, 0.2381, 0.2590



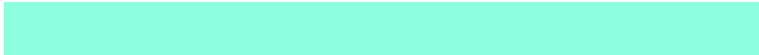
82.5104, 0.3575, 0.2944



82.5104, 0.3908, 0.3978

Rectangle

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



82.5104, 0.2668, 0.3665



82.5104, 0.2288, 0.2927



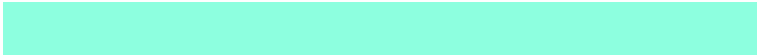
82.5104, 0.3575, 0.2944



82.5104, 0.4047, 0.3543

Sweetspot

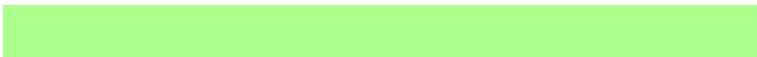
The Sweet Spot groups the original color and five complimentary colors.



82.5121, 0.2668, 0.3665



93.6605, 0.2978, 0.3384



82.3652, 0.3246, 0.4619



19.8396, 0.2954, 0.3401



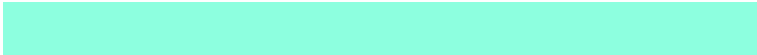
0.0000, 0.0000, 0.0000



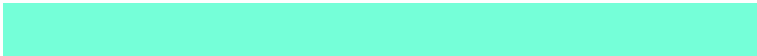
21.4041, 0.3127, 0.3290

Same Dimension

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



82.5121, 0.2668, 0.3665



80.2966, 0.2601, 0.3759



69.6503, 0.2474, 0.3001



20.3893, 0.3018, 0.3358



39.1917, 0.2509, 0.4231



3.8346, 0.2475, 0.4110

Inverse Universe

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



43.3387, 0.3980, 0.2958



36.4526, 0.4265, 0.2899



50.3569, 0.4206, 0.3552



18.0710, 0.3250, 0.3223



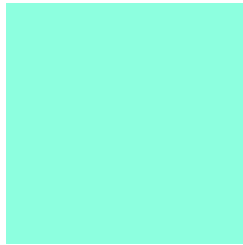
11.3727, 0.5835, 0.2988



1.1250, 0.5515, 0.2812

Previews

White Background



This preview shows how the Yxy color 82.5104, 0.2668, 0.3665 looks on a white background.

Color Contrast Check

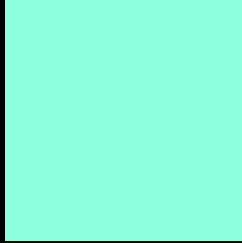
Large Text (above 18pt) WCAG AA × Fail

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 82.5104, 0.2668, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

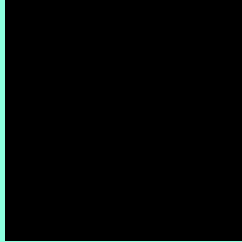
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.5104, 0.2668, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 82.5104, 0.2668, 0.3665.

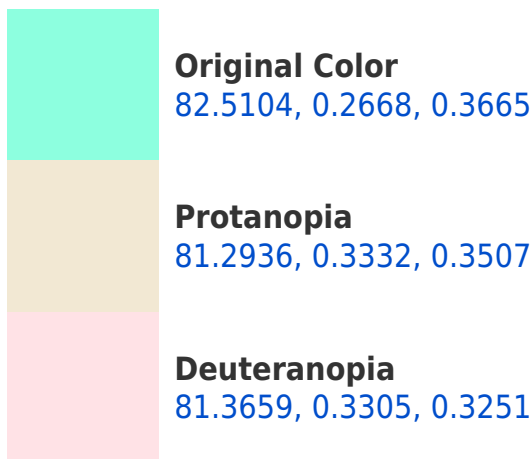


This preview shows how white text looks on a background with the Yxy color 82.5104, 0.2668, 0.3665.

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

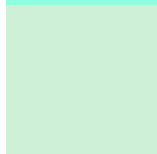
81.6714, 0.2739, 0.3149

Trichromacy



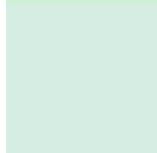
Original Color

82.5104, 0.2668, 0.3665



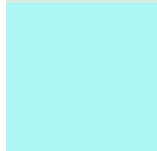
Protanomaly

80.2056, 0.3049, 0.3565



Deuteranomaly

80.4106, 0.3037, 0.3397



Tritanomaly

81.7632, 0.2709, 0.3333

Monochromacy



Original Color

82.5104, 0.2668, 0.3665



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.0851, 0.2923, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5104, 0.2668, 0.3665 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(141, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 223)  
}
```

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(141, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 82.5104, 0.2668, 0.3665 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(141, 255, 223) }
```

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

```
.border{ border-color:rgb(141, 255, 223) }
```

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

Here you see how a box with a 4 pixel rgb(141, 255, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5104, 0.2668, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 223) }
```

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

```
.background{ background-color: rgb(141,  
255, 223) }
```

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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