

Converting Colors

$Yxy(82.7965, 0.2698, 0.3688)$

Have a look what the booklet for
Yxy(82.7965, 0.2698, 0.3688)
contains.

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Color

Yxy(82.8515, 0.2700, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	92FFDD
RGB	146, 255, 221
RGB Percent	57%, 100%, 87%
CMY	0.4272, 0.0000, 0.1334
CMYK	0.43, 0.00, 0.13, 0.00
HSL	161°, 100%, 79%
HSV	161°, 43%, 100%
XYZ	60.6724, 82.8515, 81.1886
YIQ	218.5330, -54.0500, -33.6820

Conversions

Conversions Part 2

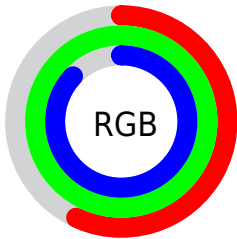
Format	Color
RYB	146, 211, 255
Decimal	9633757
CIELab	92.95, -39.10, 6.48
CIELCh	93, 39.629, 170.584
Yxy	82.8515, 0.2700, 0.3687
Android (android.graphics.Color)	4287823837 (0xFF92FFDD)
YUV	218.5330, 1.2162, -63.6114
Hunter-Lab	91.0228, -40.3085, 10.8317

Details

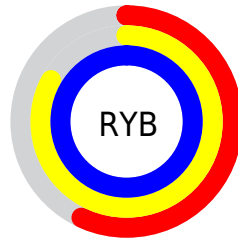
The Yxy color **82.8515, 0.2700, 0.3687** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.1378, 0.3889, 0.2937**, and the grayscale version is **70.5298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **45.2160, 0.2603, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **80.3570, 0.2629, 0.3799**, and if you desaturate by 10%, it is **85.8940, 0.2786, 0.3581**.

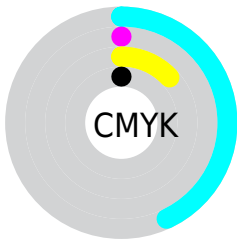
Distribution



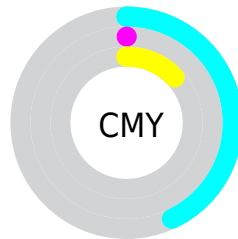
- Red (57%)
- Green (100%)
- Blue (87%)



- Red (57%)
- Yellow (83%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8515, 0.2700, 0.3687 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 82.8515, 0.2700, 0.3687 by changing the saturation by 10% instead.

 82.8515, 0.2700,
0.3687


 82.8515, 0.2700,
0.3687

504.4915, 0.2895,
0.3503

 62.0677, 0.2656,
0.3729


 137.3675, 0.2767,
0.3623

 45.0874, 0.2603,
0.3781


 171.8684, 0.2793,
0.3598

 31.5262, 0.2535,
0.3847


211.7104, 0.2816,
0.3577

 20.9999, 0.2448,
0.3933

257.2780, 0.2836,
0.3558

 13.1239, 0.2332,
0.4050

308.9555, 0.2853,
0.3542

 7.5139, 0.2168,
0.4218

367.1273, 0.2868,

 3.7855, 0.1922,

0.3528

0.4480

432.1778, 0.2882,
0.3515

■ 1.5543, 0.1326,
0.5051

■ 0.3265, 0.0000,
1.0000

■ 82.8515, 0.2700,
0.3687

■ 82.8515, 0.2700,
0.3687

■ 80.3570, 0.2629,
0.3799

■ 85.8940, 0.2786,
0.3581

■ 78.3651, 0.2575,
0.3917

■ 89.5066, 0.2882,
0.3483

■ 76.8396, 0.2540,
0.4037

■ 93.7222, 0.2987,
0.3392

■ 75.7347, 0.2525,
0.4158

■ 98.5682, 0.3097,
0.3311

■ 74.9952, 0.2531,
0.4278

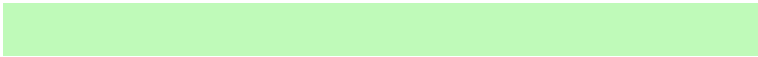
99.9976, 0.3127,
0.3290

■ 74.6275, 0.2546,
0.4364

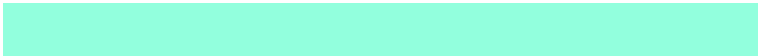
Harmonies

Analogous

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



82.8515, 0.3126, 0.4026



82.8515, 0.2700, 0.3687



82.8515, 0.2401, 0.3234

Triad

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



82.8515, 0.2700, 0.3687



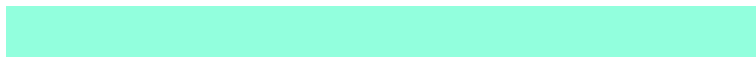
82.8515, 0.2655, 0.2559



82.8515, 0.4042, 0.3636

Complementary

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



82.8515, 0.2700, 0.3687



45.1378, 0.3889, 0.2937

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.



82.8515, 0.3904, 0.3270



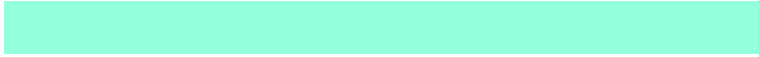
82.8515, 0.2700, 0.3687



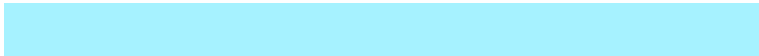
82.8515, 0.3074, 0.2676

Square

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



82.8515, 0.2700, 0.3687



82.8515, 0.2379, 0.2610



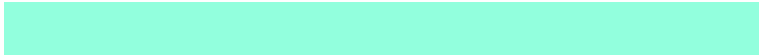
82.8515, 0.3539, 0.2929



82.8515, 0.3913, 0.3951

Rectangle

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



82.8515, 0.2700, 0.3687



82.8515, 0.2305, 0.2958



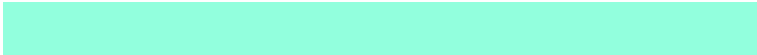
82.8515, 0.3539, 0.2929



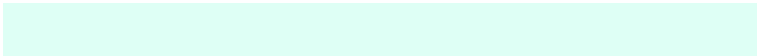
82.8515, 0.4026, 0.3516

Sweetspot

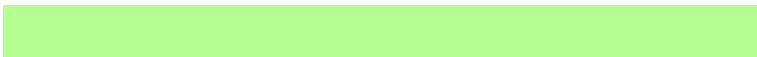
The Sweet Spot groups the original color and five complimentary colors.



82.8548, 0.2700, 0.3687



93.5971, 0.2984, 0.3395



83.3664, 0.3266, 0.4545



19.8239, 0.2960, 0.3414



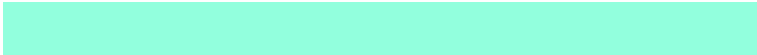
0.0000, 0.0000, 0.0000



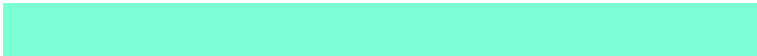
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8548, 0.2700, 0.3687



80.7513, 0.2640, 0.3780



72.7693, 0.2507, 0.3059



20.3792, 0.3022, 0.3365



39.0239, 0.2540, 0.4344



3.8193, 0.2502, 0.4208

Inverse Universe

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



45.1378, 0.3889, 0.2937



38.6516, 0.4121, 0.2874



50.6242, 0.4157, 0.3503



18.0805, 0.3245, 0.3216



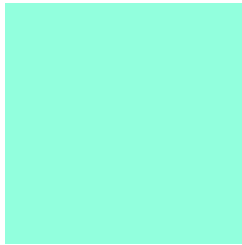
11.4321, 0.5725, 0.2927



1.1318, 0.5405, 0.2751

Previews

White Background



This preview shows how the Yxy color 82.8515, 0.2700, 0.3687 looks on a white background.

Color Contrast Check

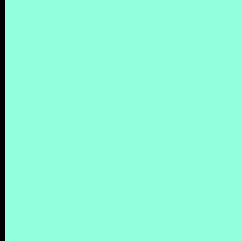
Large Text (above 18pt) WCAG AA × Fail

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 82.8515, 0.2700, 0.3687 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

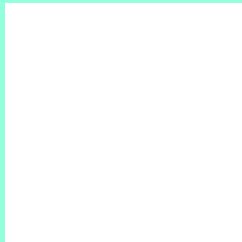
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8515, 0.2700, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 82.8515, 0.2700, 0.3687.

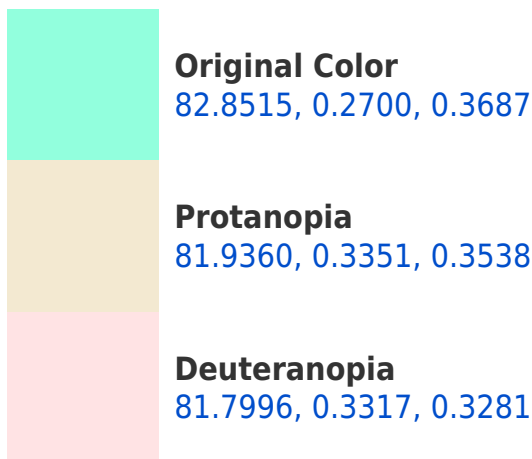


This preview shows how white text looks on a background with the Yxy color 82.8515, 0.2700, 0.3687.

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

82.0617, 0.2756, 0.3150

Trichromacy



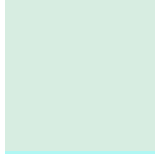
Original Color

82.8515, 0.2700, 0.3687



Protanomaly

81.1246, 0.3080, 0.3597



Deuteranomaly

80.4517, 0.3055, 0.3419



Tritanomaly

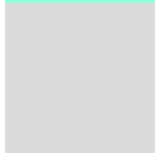
82.2227, 0.2730, 0.3333

Monochromacy



Original Color

82.8515, 0.2700, 0.3687



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.0870, 0.2937, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8515, 0.2700, 0.3687 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(146, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 221)  
}
```

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(146, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 82.8515, 0.2700, 0.3687 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(146, 255, 221) }
```

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

```
.border{ border-color:rgb(146, 255, 221) }
```

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

Here you see how a box with a 4 pixel rgb(146, 255, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8515, 0.2700, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 221) }
```

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

```
.background{ background-color: rgb(146,  
255, 221) }
```

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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