

Converting Colors

$Y_{xy}(82.8729, 0.2663, 0.3627)$

Have a look what the booklet for
Yxy(82.8729, 0.2663, 0.3627)
contains.

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Color

Yxy(82.8506, 0.2663, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	8FFFE2
RGB	143, 255, 226
RGB Percent	56%, 100%, 89%
CMY	0.4388, 0.0000, 0.1137
CMYK	0.44, 0.00, 0.11, 0.00
HSL	164°, 100%, 78%
HSV	164°, 44%, 100%
XYZ	60.8302, 82.8506, 84.7465
YIQ	218.2060, -57.4430, -32.7630

Conversions

Conversions Part 2

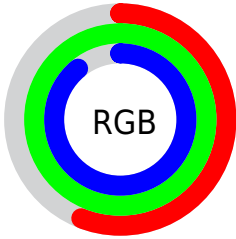
Format	Color
RYB	143, 207, 255
Decimal	9437154
CIELab	92.95, -38.72, 3.87
CIElCh	93, 38.914, 174.290
Yxy	82.8506, 0.2663, 0.3627
Android (android.graphics.Color)	4287627234 (0xFF8FFFE2)
YUV	218.2060, 3.8424, -65.9557
Hunter-Lab	91.0223, -39.9975, 8.5135

Details

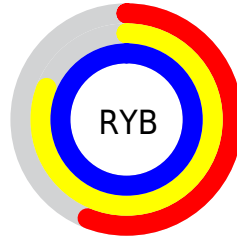
The Yxy color **82.8506, 0.2663, 0.3627** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.9174, 0.3984, 0.2989**, and the grayscale version is **70.2827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **45.2133, 0.2557, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **80.4732, 0.2589, 0.3719**, and if you desaturate by 10%, it is **85.7659, 0.2752, 0.3540**.

Distribution



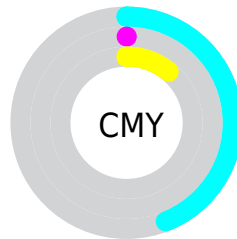
- Red (56%)
- Green (100%)
- Blue (89%)



- Red (56%)
- Yellow (81%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8506, 0.2663, 0.3627 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 82.8506, 0.2663, 0.3627 by changing the saturation by 10% instead.


 82.8506, 0.2663,
0.3627


 82.8506, 0.2663,
0.3627


504.4885, 0.2873,
0.3472

 62.0669, 0.2616,
0.3662


 137.3662, 0.2735,
0.3574

 45.0868, 0.2559,
0.3705


 171.8669, 0.2763,
0.3553

 31.5258, 0.2487,
0.3759


211.7087, 0.2788,
0.3535

 20.9995, 0.2395,
0.3830

257.2760, 0.2809,
0.3519

 13.1237, 0.2272,
0.3925

308.9533, 0.2828,
0.3505

 7.5138, 0.2100,
0.4060

367.1249, 0.2845,

 3.7854, 0.1847,

0.3493

432.1751, 0.2860,
0.3482

0.4266

1.5543, 0.1265,
0.4710

0.3265, 0.0000,
0.7938

82.8506, 0.2663,
0.3627

82.8506, 0.2663,
0.3627

80.4732, 0.2589,
0.3719

85.7659, 0.2752,
0.3540

78.5881, 0.2532,
0.3815

89.2413, 0.2854,
0.3458

77.1585, 0.2496,
0.3913

93.3100, 0.2964,
0.3383

76.1379, 0.2479,
0.4011

97.9996, 0.3081,
0.3315

■ 75.4696, 0.2482,
0.4109

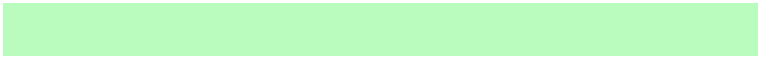
99.9927, 0.3127,
0.3290

■ 75.1848, 0.2491,
0.4168

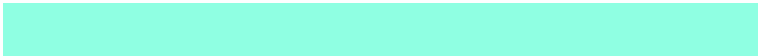
Harmonies

Analogous

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



82.8506, 0.3072, 0.3983



82.8506, 0.2663, 0.3627



82.8506, 0.2390, 0.3182

Triad

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



82.8506, 0.2663, 0.3627



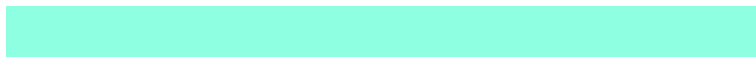
82.8506, 0.2709, 0.2577



82.8506, 0.4024, 0.3674

Complementary

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



82.8506, 0.2663, 0.3627



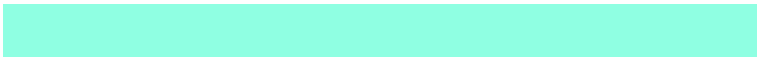
43.9174, 0.3984, 0.2989

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.



82.8506, 0.3921, 0.3316



82.8506, 0.2663, 0.3627



82.8506, 0.3132, 0.2711

Square

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



82.8506, 0.2663, 0.3627



82.8506, 0.2416, 0.2606



82.8506, 0.3585, 0.2973



82.8506, 0.3867, 0.3970

Rectangle

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



82.8506, 0.2663, 0.3627



82.8506, 0.2311, 0.2920



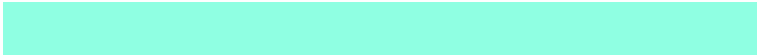
82.8506, 0.3585, 0.2973



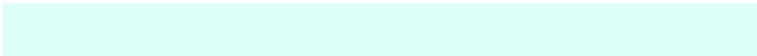
82.8506, 0.4019, 0.3557

Sweetspot

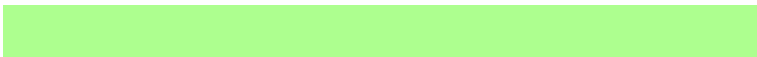
The Sweet Spot groups the original color and five complimentary colors.



82.8539, 0.2663, 0.3627



93.7053, 0.2974, 0.3377



82.3770, 0.3234, 0.4597



19.8507, 0.2949, 0.3393



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

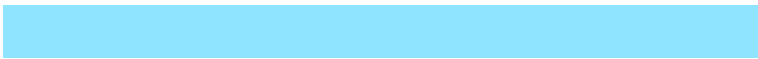
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8539, 0.2663, 0.3627



80.6697, 0.2595, 0.3711



69.0428, 0.2481, 0.2985



20.3964, 0.3015, 0.3352



39.3154, 0.2487, 0.4152



3.8458, 0.2456, 0.4041

Inverse Universe

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



43.9174, 0.3984, 0.2989



37.0184, 0.4269, 0.2935



51.7002, 0.4169, 0.3567



18.0643, 0.3253, 0.3229



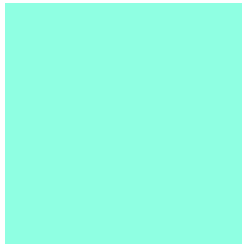
11.3350, 0.5907, 0.3028



1.1206, 0.5591, 0.2853

Previews

White Background



This preview shows how the Yxy color 82.8506, 0.2663, 0.3627 looks on a white background.

Color Contrast Check

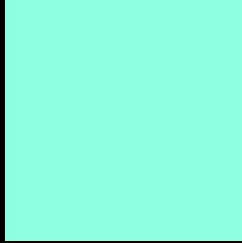
Large Text (above 18pt) WCAG AA × Fail

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 82.8506, 0.2663, 0.3627 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

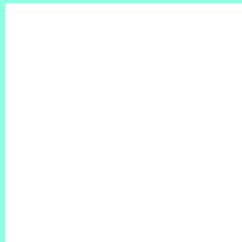
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8506, 0.2663, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 82.8506, 0.2663, 0.3627.

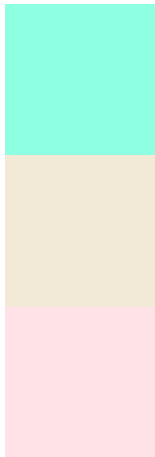


This preview shows how white text looks on a background with the Yxy color 82.8506, 0.2663, 0.3627.

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

82.8506, 0.2663, 0.3627

Protanopia

82.0101, 0.3311, 0.3486

Deuteranopia

81.4789, 0.3291, 0.3231



Tritanopia

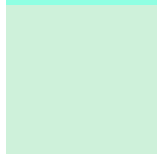
82.5277, 0.2751, 0.3161

Trichromacy



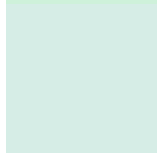
Original Color

82.8506, 0.2663, 0.3627



Protanomaly

81.0944, 0.3038, 0.3542



Deuteranomaly

80.5777, 0.3019, 0.3365



Tritanomaly

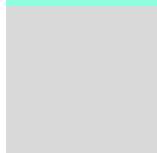
82.0519, 0.2715, 0.3322

Monochromacy



Original Color

82.8506, 0.2663, 0.3627



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4487, 0.2924, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8506, 0.2663, 0.3627 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(143, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 226)  
}
```

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(143, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 82.8506, 0.2663, 0.3627 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(143, 255, 226) }
```

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

```
.border{ border-color:rgb(143, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8506, 0.2663, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 226) }
```

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

```
.background{ background-color: rgb(143,  
255, 226) }
```

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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