

Converting Colors

$Yxy(82.8356, 0.2636, 0.3586)$

Have a look what the booklet for
Yxy(82.8356, 0.2636, 0.3586)
contains.

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Color

Yxy(82.8399, 0.2640, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	8DFFE5
RGB	141, 255, 229
RGB Percent	55%, 100%, 90%
CMY	0.4471, 0.0000, 0.1020
CMYK	0.45, 0.00, 0.10, 0.00
HSL	166°, 100%, 78%
HSV	166°, 45%, 100%
XYZ	60.8846, 82.8399, 86.8989
YIQ	217.9500, -59.5980, -32.2540

Conversions

Conversions Part 2

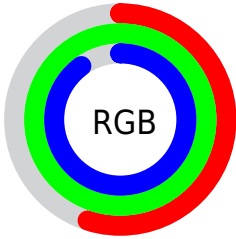
Format	Color
RYB	141, 205, 255
Decimal	9306085
CIELab	92.94, -38.57, 2.32
CIELCh	93, 38.642, 176.559
Yxy	82.8399, 0.2640, 0.3592
Android (android.graphics.Color)	4287496165 (0xFF8DFFE5)
YUV	217.9500, 5.4477, -67.4851
Hunter-Lab	91.0164, -39.8729, 7.1038

Details

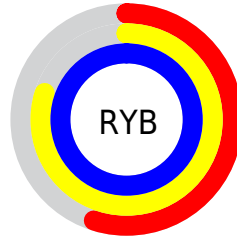
The Yxy color **82.8399, 0.2640, 0.3592** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.0984, 0.4047, 0.3021**, and the grayscale version is **70.0645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **45.2380, 0.2532, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **80.5353, 0.2565, 0.3673**, and if you desaturate by 10%, it is **85.6675, 0.2731, 0.3515**.

Distribution



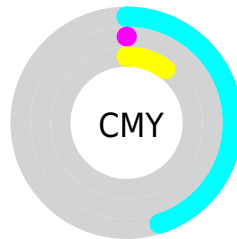
- Red (55%)
- Green (100%)
- Blue (90%)



- Red (55%)
- Yellow (80%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8399, 0.2640, 0.3592 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 82.8399, 0.2640, 0.3592 by changing the saturation by 10% instead.

 82.8399, 0.2640,
0.3592


 82.8399, 0.2640,
0.3592

504.4528, 0.2860,
0.3454

 62.0581, 0.2591,
0.3623


 137.3512, 0.2715,
0.3545

 45.0796, 0.2531,
0.3661


 171.8495, 0.2745,
0.3526

 31.5202, 0.2457,
0.3708


211.6887, 0.2770,
0.3510

 20.9953, 0.2361,
0.3770

257.2533, 0.2793,
0.3496

 13.1205, 0.2234,
0.3852

308.9276, 0.2813,
0.3484

 7.5116, 0.2058,
0.3968


367.0960, 0.2830,


 3.7841, 0.1799,


0.3473


0.4142


432.1429, 0.2846,
0.3463

 1.5535, 0.1222,
0.4515


 0.3260, 0.0000,
0.6284


 82.8399, 0.2640,
0.3592


 82.8399, 0.2640,
0.3592


 80.5353, 0.2565,
0.3673


 85.6675, 0.2731,
0.3515


 78.7214, 0.2507,
0.3756

 89.0542, 0.2835,
0.3443

 77.3565, 0.2470,
0.3841

 93.0286, 0.2949,
0.3377

 76.3936, 0.2452,
0.3927

 97.6185, 0.3069,
0.3316

■ 75.7746, 0.2454,
0.4012

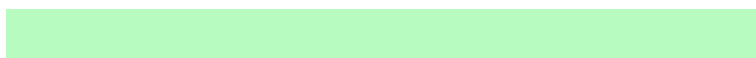
100.0000, 0.3127,
0.3290

■ 75.5428, 0.2460,
0.4056

Harmonies

Analogous

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



82.8399, 0.3039, 0.3958



82.8399, 0.2640, 0.3592



82.8399, 0.2381, 0.3151

Triad

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



82.8399, 0.2640, 0.3592



82.8399, 0.2740, 0.2586



82.8399, 0.4014, 0.3697

Complementary

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



82.8399, 0.2640, 0.3592



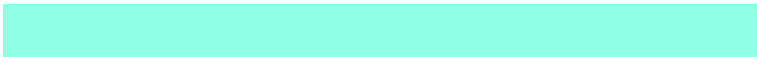
43.0984, 0.4047, 0.3021

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.



82.8399, 0.3932, 0.3343



82.8399, 0.2640, 0.3592



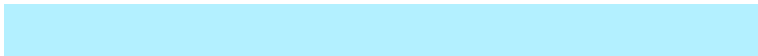
82.8399, 0.3167, 0.2730

Square

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



82.8399, 0.2640, 0.3592



82.8399, 0.2437, 0.2602



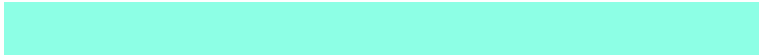
82.8399, 0.3613, 0.2999



82.8399, 0.3842, 0.3982

Rectangle

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



82.8399, 0.2640, 0.3592



82.8399, 0.2312, 0.2897



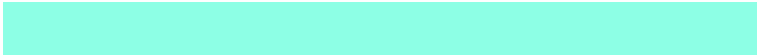
82.8399, 0.3613, 0.2999



82.8399, 0.4016, 0.3583

Sweetspot

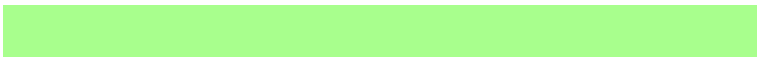
The Sweet Spot groups the original color and five complimentary colors.



82.8387, 0.2640, 0.3592



93.7683, 0.2969, 0.3366



81.7234, 0.3211, 0.4634



19.8664, 0.2943, 0.3380



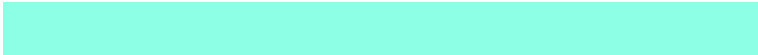
0.0000, 0.0000, 0.0000



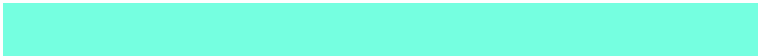
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8387, 0.2640, 0.3592



80.6818, 0.2569, 0.3667



66.5158, 0.2462, 0.2932



20.4064, 0.3011, 0.3345



39.4966, 0.2456, 0.4042



3.8621, 0.2429, 0.3946

Inverse Universe

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



43.0984, 0.4047, 0.3021



36.2136, 0.4356, 0.2974



52.4585, 0.4177, 0.3611



18.0550, 0.3258, 0.3236



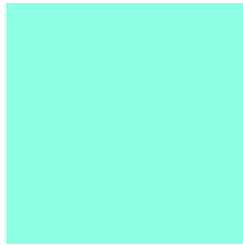
11.2879, 0.6002, 0.3080



1.1148, 0.5693, 0.2910

Previews

White Background



This preview shows how the Yxy color 82.8399, 0.2640, 0.3592 looks on a white background.

Color Contrast Check

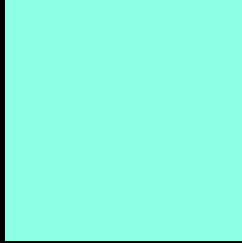
Large Text (above 18pt) WCAG AA × Fail

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 82.8399, 0.2640, 0.3592 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 82.8399, 0.2640, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 82.8399, 0.2640, 0.3592.

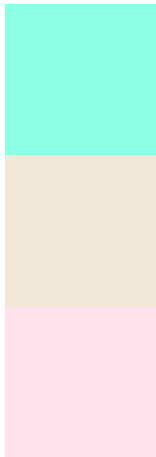


This preview shows how white text looks on a background with the Yxy color 82.8399, 0.2640, 0.3592.

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

82.8399, 0.2640, 0.3592

Protanopia

81.4238, 0.3286, 0.3445

Deuteranopia

81.6509, 0.3271, 0.3201



Tritanopia

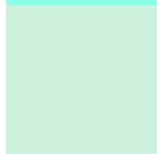
82.3976, 0.2746, 0.3160

Trichromacy



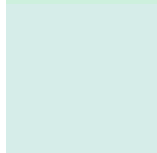
Original Color

82.8399, 0.2640, 0.3592



Protanomaly

80.5198, 0.3014, 0.3498



Deuteranomaly

80.7477, 0.3001, 0.3332



Tritanomaly

82.0596, 0.2699, 0.3300

Monochromacy



Original Color

82.8399, 0.2640, 0.3592



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3729, 0.2912, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8399, 0.2640, 0.3592 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 82.8399, 0.2640, 0.3592 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, 229) }
```

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

```
.border{ border-color:rgb(141, 255, 229) }
```

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, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8399, 0.2640, 0.3592 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, 229) }
```

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

```
.background{ background-color: rgb(141,  
255, 229) }
```

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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