

Converting Colors

$Yxy(82.8678, 0.2794, 0.3837)$

Have a look what the booklet for
Yxy(82.8678, 0.2794, 0.3837)
contains.

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Color

Yxy(82.8464, 0.2796, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	99FFD0
RGB	153, 255, 208
RGB Percent	60%, 100%, 82%
CMY	0.3998, 0.0000, 0.1843
CMYK	0.40, 0.00, 0.18, 0.00
HSL	152°, 100%, 80%
HSV	152°, 40%, 100%
XYZ	60.2911, 82.8464, 72.4960
YIQ	219.1440, -45.7050, -36.2410

Conversions

Conversions Part 2

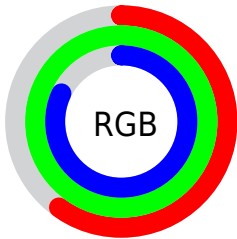
Format	Color
RYB	153, 219, 255
Decimal	10092496
CIELab	92.95, -39.99, 13.20
CIElCh	93, 42.111, 161.735
Yxy	82.8464, 0.2796, 0.3842
Android (android.graphics.Color)	4288282576 (0xFF99FFD0)
YUV	219.1440, -5.4940, -58.0083
Hunter-Lab	91.0200, -41.0476, 16.4904

Details

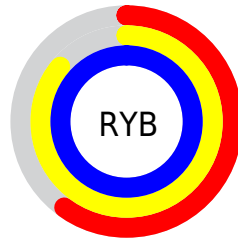
The Yxy color **82.8464, 0.2796, 0.3842** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.2327, 0.3668, 0.2805**, and the grayscale version is **71.0175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.2081, 0.2713, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **80.0695, 0.2735, 0.4011**, and if you desaturate by 10%, it is **86.2031, 0.2869, 0.3684**.

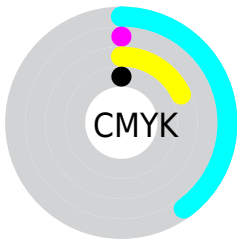
Distribution



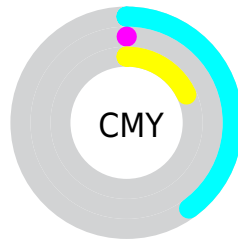
- Red (60%)
- Green (100%)
- Blue (82%)



- Red (60%)
- Yellow (86%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8464, 0.2796, 0.3842 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 82.8464, 0.2796, 0.3842 by changing the saturation by 10% instead.


 82.8464, 0.2796,
0.3842


 82.8464, 0.2796,
0.3842


504.4745, 0.2950,
0.3582

 62.0634, 0.2761,
0.3902


 137.3603, 0.2850,
0.3751

 45.0840, 0.2717,
0.3977


 171.8601, 0.2871,
0.3716

 31.5236, 0.2661,
0.4073


211.7009, 0.2889,
0.3686

 20.9979, 0.2588,
0.4200

257.2671, 0.2904,
0.3660

 13.1224, 0.2487,
0.4375

308.9432, 0.2918,
0.3637

 7.5129, 0.2343,
0.4630

367.1135, 0.2930,

 3.7849, 0.2117,

0.3616

0.5038

432.1625, 0.2941,
0.3598

■ 1.5540, 0.1498,
0.6028

■ 0.3263, 0.0000,
1.0000

■ 82.8464, 0.2796,
0.3842

■ 82.8464, 0.2796,
0.3842

■ 80.0695, 0.2735,
0.4011

■ 86.2031, 0.2869,
0.3684

■ 77.8274, 0.2688,
0.4189


■ 90.1614, 0.2951,
0.3539


■ 76.0843, 0.2660,
0.4372

■ 94.7543, 0.3038,
0.3408

■ 74.7958, 0.2653,
0.4555

99.9970, 0.3127,
0.3290

 73.9089, 0.2665,
0.4734

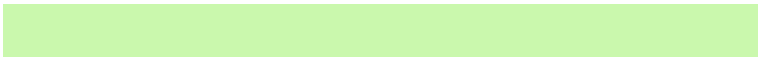
 73.3380, 0.2696,
0.4904

 73.3367, 0.2696,
0.4905

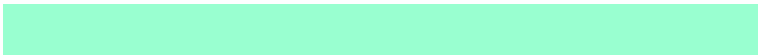
Harmonies

Analogous

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



82.8464, 0.3267, 0.4134



82.8464, 0.2796, 0.3842



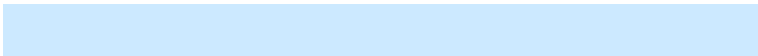
82.8464, 0.2432, 0.3371

Triad

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



82.8464, 0.2796, 0.3842



82.8464, 0.2522, 0.2514



82.8464, 0.4086, 0.3540

Complementary

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



82.8464, 0.2796, 0.3842



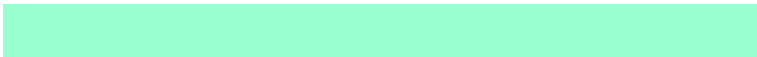
48.2327, 0.3668, 0.2805

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.



82.8464, 0.3859, 0.3155



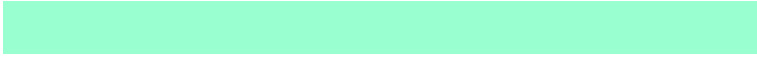
82.8464, 0.2796, 0.3842



82.8464, 0.2928, 0.2589

Square

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



82.8464, 0.2796, 0.3842



82.8464, 0.2287, 0.2621



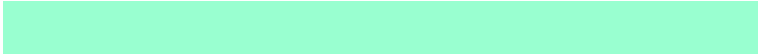
82.8464, 0.3422, 0.2817



82.8464, 0.4029, 0.3900

Rectangle

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



82.8464, 0.2796, 0.3842



82.8464, 0.2291, 0.3058



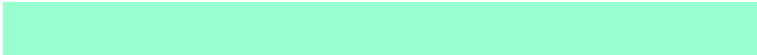
82.8464, 0.3422, 0.2817



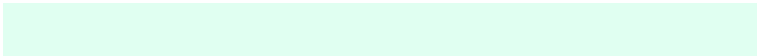
82.8464, 0.4041, 0.3410

Sweetspot

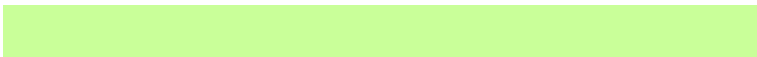
The Sweet Spot groups the original color and five complimentary colors.



82.8498, 0.2796, 0.3842



93.7760, 0.3020, 0.3433



86.1850, 0.3358, 0.4419



19.9393, 0.3008, 0.3450



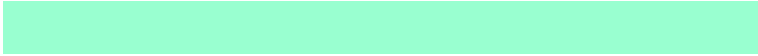
0.0000, 0.0000, 0.0000



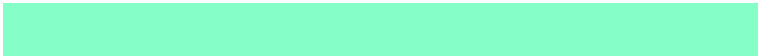
21.4041, 0.3127, 0.3290

Same Dimension

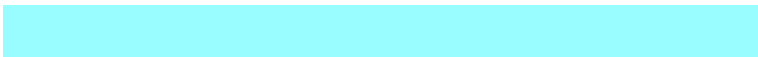
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8498, 0.2796, 0.3842



80.5785, 0.2746, 0.3977



83.3659, 0.2569, 0.3251



20.3320, 0.3042, 0.3402



38.3522, 0.2688, 0.4877



3.7563, 0.2634, 0.4681

Inverse Universe

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



48.2327, 0.3668, 0.2805



41.6004, 0.3829, 0.2711



47.4913, 0.4132, 0.3329



18.1264, 0.3222, 0.3181



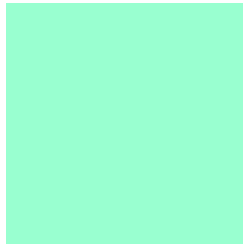
11.8158, 0.5130, 0.2600



1.1722, 0.4855, 0.2448

Previews

White Background



This preview shows how the Yxy color 82.8464, 0.2796, 0.3842 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 82.8464, 0.2796, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

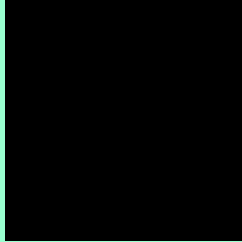
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8464, 0.2796, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 82.8464, 0.2796, 0.3842.

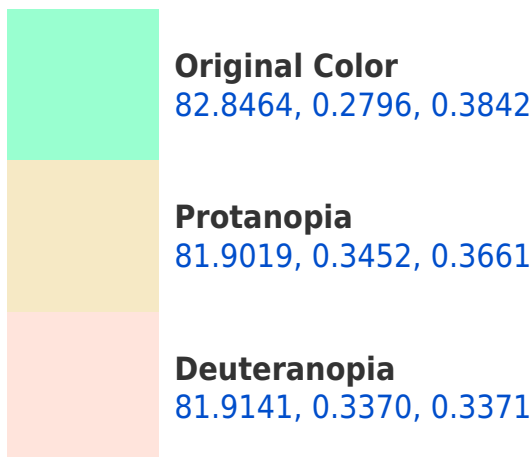


This preview shows how white text looks on a background with the Yxy color 82.8464, 0.2796, 0.3842.

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

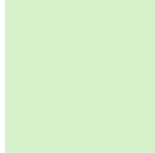
82.3264, 0.2767, 0.3150

Trichromacy



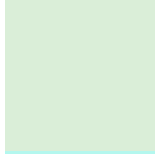
Original Color

82.8464, 0.2796, 0.3842



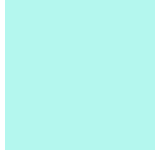
Protanomaly

81.1247, 0.3179, 0.3729



Deuteranomaly

81.0124, 0.3129, 0.3527



Tritanomaly

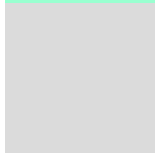
82.3979, 0.2777, 0.3389

Monochromacy



Original Color

82.8464, 0.2796, 0.3842



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2216, 0.2986, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8464, 0.2796, 0.3842 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(153, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 208)  
}
```

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(153, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 82.8464, 0.2796, 0.3842 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(153, 255, 208) }
```

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

```
.border{ border-color:rgb(153, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8464, 0.2796, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 208) }
```

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

```
.background{ background-color: rgb(153,  
255, 208) }
```

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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