

Converting Colors

$Yxy(82.6188, 0.2827, 0.3914)$

Have a look what the booklet for
Yxy(82.6188, 0.2827, 0.3914)
contains.

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Color

Yxy(82.5566, 0.2825, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	99FFCA
RGB	153, 255, 202
RGB Percent	60%, 100%, 79%
CMY	0.4004, 0.0000, 0.2079
CMYK	0.40, 0.00, 0.21, 0.00
HSL	149°, 100%, 80%
HSV	149°, 40%, 100%
XYZ	59.5411, 82.5566, 68.6672
YIQ	218.4600, -43.7790, -38.1070

Conversions

Conversions Part 2

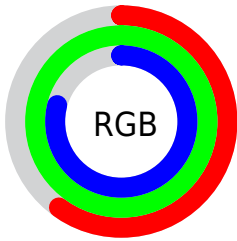
Format	Color
RYB	153, 222, 255
Decimal	10092490
CIELab	92.82, -41.23, 16.11
CIElCh	93, 44.265, 158.659
Yxy	82.5566, 0.2825, 0.3917
Android (android.graphics.Color)	4288282570 (0xFF99FFCA)
YUV	218.4600, -8.1148, -57.4084
Hunter-Lab	90.8607, -42.0349, 18.7945

Details

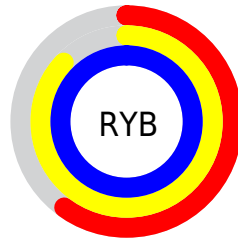
The Yxy color **82.5566, 0.2825, 0.3917** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.4586, 0.3611, 0.2745**, and the grayscale version is **70.5000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.0131, 0.2748, 0.4074** is the 20% darker color. If you saturate the color by 10%, you get **79.7256, 0.2769, 0.4109**, and if you desaturate by 10%, it is **85.9495, 0.2892, 0.3737**.

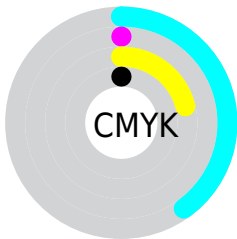
Distribution



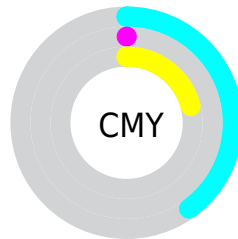
- Red (60%)
- Green (100%)
- Blue (79%)



- Red (60%)
- Yellow (87%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5566, 0.2825, 0.3917 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 82.5566, 0.2825, 0.3917 by changing the saturation by 10% instead.

 82.5566, 0.2825,
0.3917


 82.5566, 0.2825,
0.3917


503.5076, 0.2968,
0.3620

 61.8244, 0.2792,
0.3986


 136.9543, 0.2875,
0.3813

 44.8909, 0.2750,
0.4073

 171.3886, 0.2894,
0.3773

 31.3715, 0.2697,
0.4183


211.1590, 0.2911,
0.3738

 20.8819, 0.2627,
0.4330

256.6500, 0.2925,
0.3708

 13.0377, 0.2530,
0.4533

308.2460, 0.2938,
0.3682

 7.4545, 0.2387,
0.4831


366.3313, 0.2949,


 3.7479, 0.2160,

0.3659

0.5309

431.2904, 0.2959,
0.3639

 1.5336, 0.1492,
0.6682

 0.3122, 0.0000,
1.0000

 82.5566, 0.2825,
0.3917


 82.5566, 0.2825,
0.3917


 79.7256, 0.2769,
0.4109

 85.9495, 0.2892,
0.3737

 77.4539, 0.2728,
0.4311

 89.9696, 0.2966,
0.3573

 75.6911, 0.2705,
0.4518

 94.6357, 0.3045,
0.3424

 74.3922, 0.2701,
0.4723

99.9759, 0.3127,
0.3291

■ 73.5036, 0.2718,
0.4921

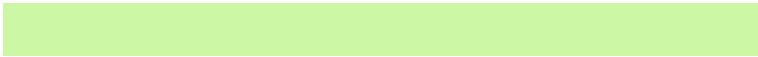
100.0000, 0.3127,
0.3290

■ 72.9405, 0.2751,
0.5105

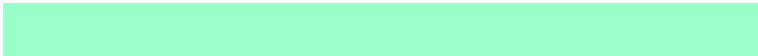
Harmonies

Analogous

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



82.5566, 0.3324, 0.4196



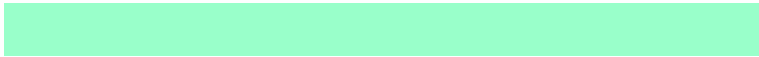
82.5566, 0.2825, 0.3917



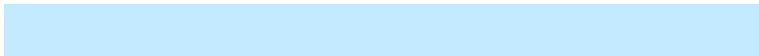
82.5566, 0.2428, 0.3428

Triad

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



82.5566, 0.2825, 0.3917



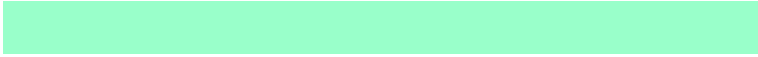
82.5566, 0.2458, 0.2479



82.5566, 0.4126, 0.3507

Complementary

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



82.5566, 0.2825, 0.3917



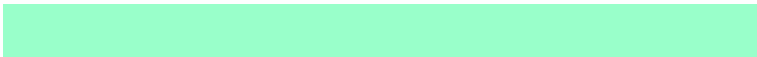
48.4586, 0.3611, 0.2745

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.



82.5566, 0.3859, 0.3107



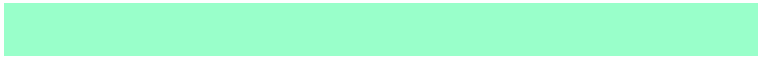
82.5566, 0.2825, 0.3917



82.5566, 0.2867, 0.2540

Square

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



82.5566, 0.2825, 0.3917



82.5566, 0.2234, 0.2610



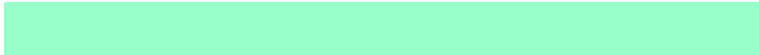
82.5566, 0.3383, 0.2764



82.5566, 0.4094, 0.3893

Rectangle

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



82.5566, 0.2825, 0.3917



82.5566, 0.2267, 0.3091



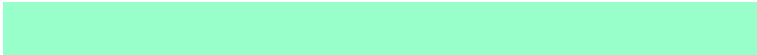
82.5566, 0.3383, 0.2764



82.5566, 0.4068, 0.3371

Sweetspot

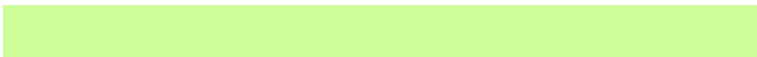
The Sweet Spot groups the original color and five complimentary colors.



82.5457, 0.2825, 0.3917



93.6700, 0.3030, 0.3452



87.1322, 0.3404, 0.4405



19.9144, 0.3019, 0.3470



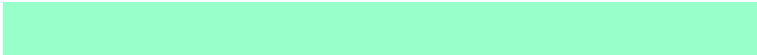
0.0000, 0.0000, 0.0000



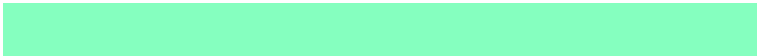
21.4041, 0.3127, 0.3290

Same Dimension

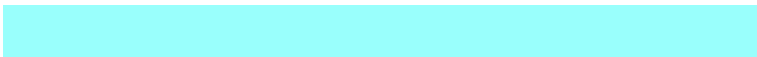
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5457, 0.2825, 0.3917



80.2558, 0.2780, 0.4069



85.2845, 0.2589, 0.3326



20.3137, 0.3050, 0.3416



38.1428, 0.2743, 0.5075



3.7358, 0.2684, 0.4862

Inverse Universe

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



48.4586, 0.3611, 0.2745



41.9178, 0.3752, 0.2641



46.4175, 0.4115, 0.3257



18.1446, 0.3212, 0.3167



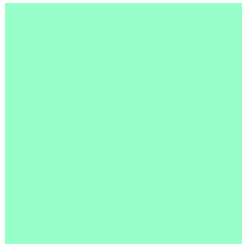
12.0152, 0.4883, 0.2464



1.1920, 0.4640, 0.2330

Previews

White Background



This preview shows how the Yxy color 82.5566, 0.2825, 0.3917 looks on a white background.

Color Contrast Check

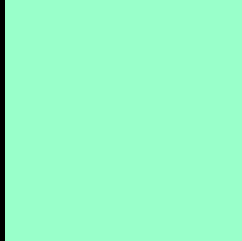
Large Text (above 18pt) WCAG AA × Fail

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 82.5566, 0.2825, 0.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

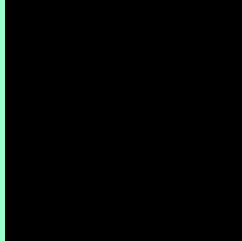
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.5566, 0.2825, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 82.5566, 0.2825, 0.3917.

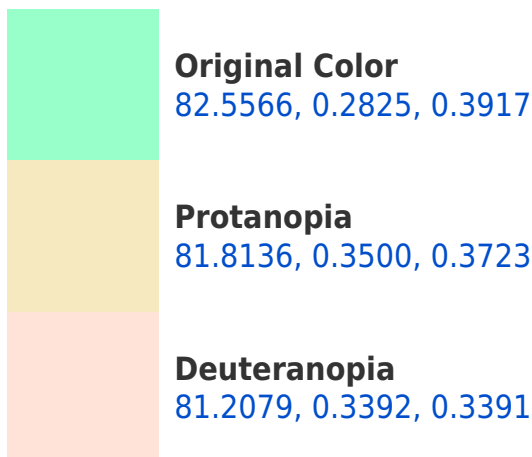


This preview shows how white text looks on a background with the Yxy color 82.5566, 0.2825, 0.3917.

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

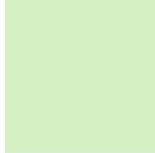
82.1936, 0.2761, 0.3150

Trichromacy



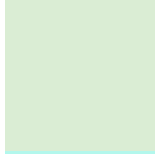
Original Color

82.5566, 0.2825, 0.3917



Protanomaly

80.9969, 0.3222, 0.3796



Deuteranomaly

80.2273, 0.3154, 0.3560



Tritanomaly

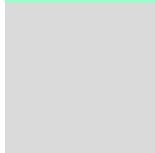
82.1614, 0.2782, 0.3411

Monochromacy



Original Color

82.5566, 0.2825, 0.3917



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3746, 0.2997, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5566, 0.2825, 0.3917 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 82.5566, 0.2825, 0.3917 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, 202) }
```

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

```
.border{ border-color:rgb(153, 255, 202) }
```

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, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5566, 0.2825, 0.3917 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, 202) }
```

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

```
.background{ background-color: rgb(153,  
255, 202) }
```

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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