

Converting Colors

Yxy(82.9172, 0.3010, 0.4111)

Have a look what the booklet for
Yxy(82.9172, 0.3010, 0.4111)
contains.

Yxy(82.8904, 0.3008, 0.4109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.8904, 0.3008, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	AAFEB8
RGB	170, 254, 184
RGB Percent	67%, 100%, 72%
CMY	0.3331, 0.0039, 0.2784
CMYK	0.33, 0.00, 0.28, 0.00
HSL	130°, 98%, 83%
HSV	130°, 33%, 100%
XYZ	60.6800, 82.8904, 58.1584
YIQ	220.9040, -27.5940, -39.5780

Conversions

Conversions Part 2

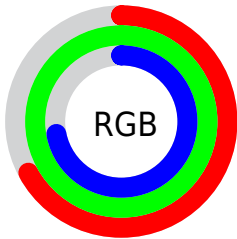
Format	Color
RYB	170, 242, 254
Decimal	11206328
CIELab	92.97, -39.15, 25.60
CIELCh	93, 46.777, 146.820
Yxy	82.8904, 0.3008, 0.4109
Android (android.graphics.Color)	4289396408 (0xFFAAFE8)
YUV	220.9040, -18.1937, -44.6428
Hunter-Lab	91.0442, -40.3588, 25.8568

Details

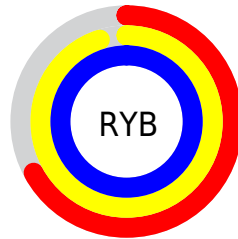
The Yxy color **82.8904, 0.3008, 0.4109** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.1301, 0.3276, 0.2591**, and the grayscale version is **72.3898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1422, 0.3040, 0.3442**, and **45.2160, 0.2968, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **79.5077, 0.2976, 0.4411**, and if you desaturate by 10%, it is **86.9598, 0.3043, 0.3829**.

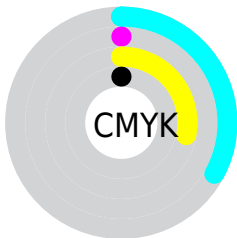
Distribution



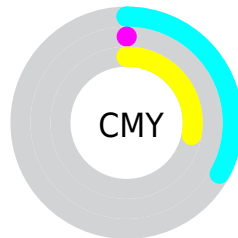
- Red (67%)
- Green (100%)
- Blue (72%)



- Red (67%)
- Yellow (95%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8904, 0.3008, 0.4109 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 82.8904, 0.3008, 0.4109 by changing the saturation by 10% instead.


 82.8904, 0.3008,
0.4109

 82.8904, 0.3008,
0.4109

504.6212, 0.3072,
0.3719

 62.0997, 0.2991,
0.4201


 137.4219, 0.3032,
0.3972

 45.1133, 0.2969,
0.4315


171.9316, 0.3041,
0.3919

 31.5467, 0.2939,
0.4461


211.7831, 0.3048,
0.3874

 21.0155, 0.2896,
0.4655

257.3608, 0.3055,
0.3834

 13.1353, 0.2833,
0.4923

309.0490, 0.3060,
0.3800

 7.5218, 0.2729,
0.5314


367.2322, 0.3065,


 3.7905, 0.2541,

0.3770

0.5928

432.2948, 0.3069,
0.3743


 1.5571, 0.2079,
0.7921


 0.3284, 0.0000,
1.0000


 82.8904, 0.3008,
0.4109


 82.8904, 0.3008,
0.4109


 79.5077, 0.2976,
0.4411


 86.9598, 0.3043,
0.3829

 76.7638, 0.2951,
0.4725

 91.7401, 0.3080,
0.3577

 74.6210, 0.2934,
0.5038

 97.2670, 0.3116,
0.3353

 73.0333, 0.2928,
0.5330

99.3610, 0.3128,
0.3280

■ 71.9480, 0.2934,
0.5582

■ 71.3015, 0.2951,
0.5776

■ 71.0501, 0.2965,
0.5874

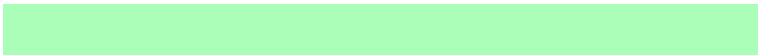
Harmonies

Analogous

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



82.8904, 0.3538, 0.4273



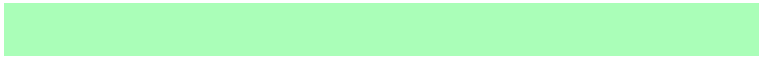
82.8904, 0.3008, 0.4109



82.8904, 0.2535, 0.3652

Triad

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



82.8904, 0.3008, 0.4109



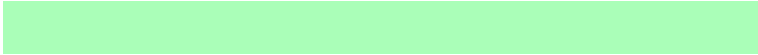
82.8904, 0.2306, 0.2467



82.8904, 0.4106, 0.3346

Complementary

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



82.8904, 0.3008, 0.4109



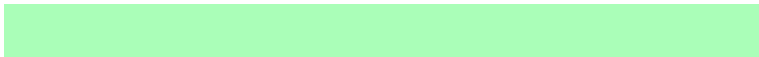
56.1301, 0.3276, 0.2591

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.



82.8904, 0.3718, 0.2943



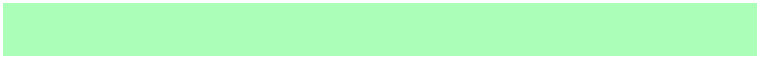
82.8904, 0.3008, 0.4109



82.8904, 0.2663, 0.2456

Square

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



82.8904, 0.3008, 0.4109



82.8904, 0.2157, 0.2685



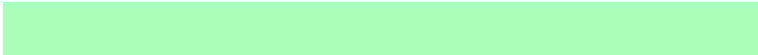
82.8904, 0.3175, 0.2628



82.8904, 0.4198, 0.3767

Rectangle

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



82.8904, 0.3008, 0.4109



82.8904, 0.2311, 0.3284



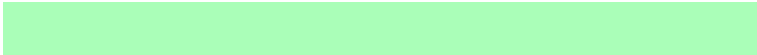
82.8904, 0.3175, 0.2628



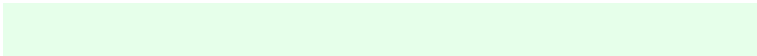
82.8904, 0.4005, 0.3206

Sweetspot

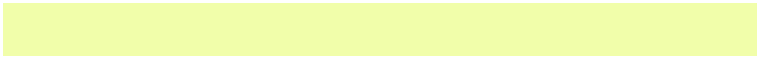
The Sweet Spot groups the original color and five complimentary colors.



82.8939, 0.3008, 0.4109



94.1862, 0.3091, 0.3505



92.5569, 0.3541, 0.4143



19.9981, 0.3086, 0.3538



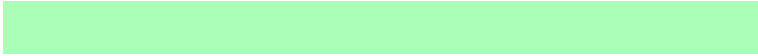
0.0000, 0.0000, 0.0000



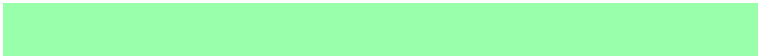
21.4041, 0.3127, 0.3290

Same Dimension

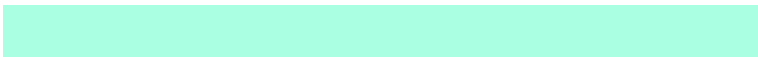
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8939, 0.3008, 0.4109



81.1937, 0.2986, 0.4317



84.8475, 0.2798, 0.3621



20.2175, 0.3093, 0.3494



37.4741, 0.2960, 0.5855



3.6619, 0.2910, 0.5675

Inverse Universe

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



56.1301, 0.3276, 0.2591



50.2169, 0.3316, 0.2446



53.9809, 0.3628, 0.2985



18.2454, 0.3164, 0.3094



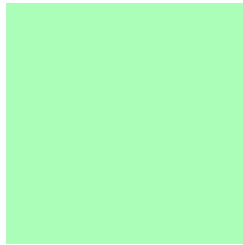
13.6266, 0.3682, 0.1802



1.3400, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 82.8904, 0.3008, 0.4109 looks on a white background.

Color Contrast Check

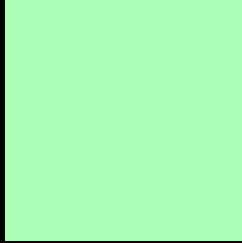
Large Text (above 18pt) WCAG AA × Fail

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 82.8904, 0.3008, 0.4109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

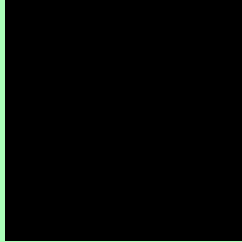
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8904, 0.3008, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 82.8904, 0.3008, 0.4109.

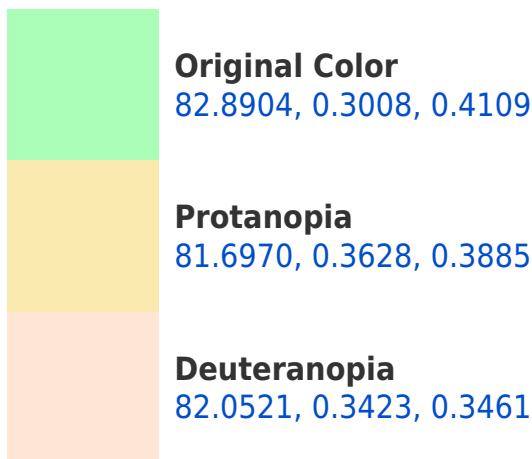


This preview shows how white text looks on a background with the Yxy color 82.8904, 0.3008, 0.4109.

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

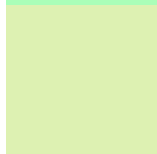
82.5481, 0.2800, 0.3141

Trichromacy



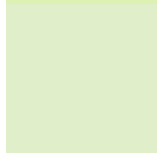
Original Color

82.8904, 0.3008, 0.4109



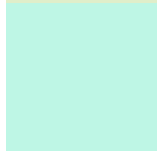
Protanomaly

81.4971, 0.3381, 0.3975



Deuteranomaly

81.2606, 0.3257, 0.3677



Tritanomaly

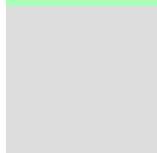
82.5158, 0.2880, 0.3477

Monochromacy



Original Color

82.8904, 0.3008, 0.4109



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3884, 0.3074, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8904, 0.3008, 0.4109 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(170, 254, 184)` looks like.

```
.text, #text, p{  
    color:rgb(170, 254, 184)  
}
```

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(170, 254, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 254, 184) }
```

Border

The CSS property to change the border of an element to Yxy 82.8904, 0.3008, 0.4109 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(170, 254, 184) }
```

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

```
.border{ border-color:rgb(170, 254, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 254, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 254, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 254, 184);  
box-shadow:4px 4px 4px 4px rgb(170, 254,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8904, 0.3008, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 254, 184) }
```

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

```
.background{ background-color: rgb(170,  
254, 184) }
```

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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