

Converting Colors

$Yxy(83.6310, 0.3023, 0.4292)$

Have a look what the booklet for
Yxy(83.6310, 0.3023, 0.4292)
contains.

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Color

Yxy(82.1799, 0.3025, 0.4278)

Conversions

Conversions Part 1

Format	Color
Hex	A2FFAC
RGB	162, 255, 172
RGB Percent	64%, 100%, 67%
CMY	0.3645, 0.0000, 0.3256
CMYK	0.36, 0.00, 0.33, 0.00
HSL	126°, 100%, 82%
HSV	126°, 36%, 100%
XYZ	58.1099, 82.1799, 51.8091
YIQ	217.7310, -28.7850, -45.5290

Conversions

Conversions Part 2

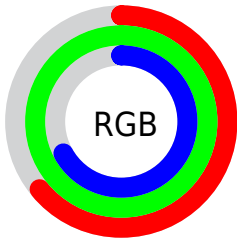
Format	Color
RYB	162, 246, 255
Decimal	10682284
CIELab	92.65, -43.97, 31.20
CIELCh	93, 53.913, 144.646
Yxy	82.1799, 0.3025, 0.4278
Android (android.graphics.Color)	4288872364 (0xFFA2FFAC)
YUV	217.7310, -22.5454, -48.8761
Hunter-Lab	90.6531, -44.2220, 29.5724

Details

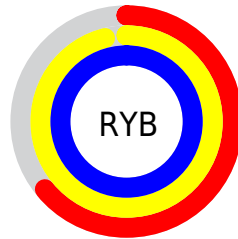
The Yxy color **82.1799, 0.3025, 0.4278** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.7135, 0.3249, 0.2470**, and the grayscale version is **70.0949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3371, 0.3065, 0.3570**, and **44.7842, 0.2983, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **78.9756, 0.3000, 0.4606**, and if you desaturate by 10%, it is **86.0819, 0.3053, 0.3969**.

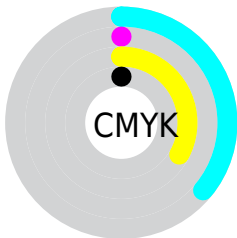
Distribution



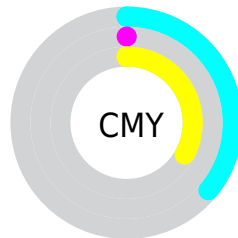
- Red (64%)
- Green (100%)
- Blue (67%)



- Red (64%)
- Yellow (96%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1799, 0.3025, 0.4278 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 82.1799, 0.3025, 0.4278 by changing the saturation by 10% instead.

 82.1799, 0.3025,
0.4278

 82.1799, 0.3025,
0.4278


502.2493, 0.3086,
0.3804

 61.5138, 0.3007,
0.4390


 136.4263, 0.3049,
0.4110

 44.6400, 0.2984,
0.4530


 170.7753, 0.3058,
0.4046

 31.1739, 0.2950,
0.4709


210.4542, 0.3065,
0.3991

 20.7313, 0.2902,
0.4947

255.8473, 0.3071,
0.3943

 12.9278, 0.2826,
0.5275

307.3389, 0.3076,
0.3902

 7.3788, 0.2698,
0.5750


365.3135, 0.3080,


 3.7001, 0.2481,

0.3865

0.6546

430.1555, 0.3083,
0.3833


 1.5073, 0.1462,
0.8538


 0.2938, 0.0000,
1.0000

 82.1799, 0.3025,
0.4278


 82.1799, 0.3025,
0.4278

 78.9756, 0.3000,
0.4606

 86.0819, 0.3053,
0.3969

 76.4191, 0.2980,
0.4939

 90.7095, 0.3081,
0.3687

 74.4687, 0.2967,
0.5257

 96.1004, 0.3109,
0.3436

 73.0738, 0.2963,
0.5537

100.0000, 0.3127,
0.3290

■ 72.1756, 0.2968,
0.5757

■ 71.7014, 0.2980,
0.5905

■ 71.6001, 0.2983,
0.5940

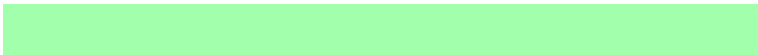
Harmonies

Analogous

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



82.1799, 0.3631, 0.4428



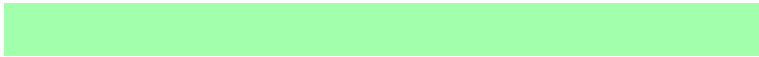
82.1799, 0.3025, 0.4278



82.1799, 0.2477, 0.3755

Triad

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



82.1799, 0.3025, 0.4278



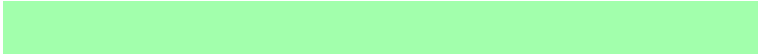
82.1799, 0.2171, 0.2359



82.1799, 0.4238, 0.3308

Complementary

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



82.1799, 0.3025, 0.4278



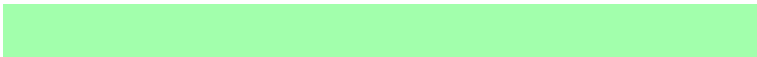
53.7135, 0.3249, 0.2470

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.



82.1799, 0.3766, 0.2861



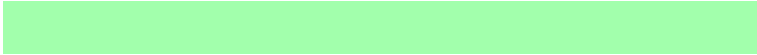
82.1799, 0.3025, 0.4278



82.1799, 0.2556, 0.2336

Square

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



82.1799, 0.3025, 0.4278



82.1799, 0.2022, 0.2616



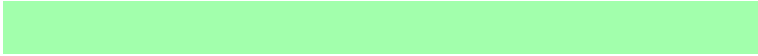
82.1799, 0.3132, 0.2517



82.1799, 0.4366, 0.3786

Rectangle

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



82.1799, 0.3025, 0.4278



82.1799, 0.2215, 0.3321



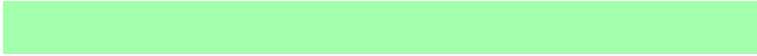
82.1799, 0.3132, 0.2517



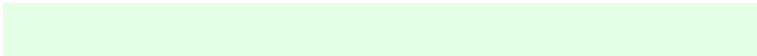
82.1799, 0.4112, 0.3152

Sweetspot

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



82.1830, 0.3025, 0.4278



93.5527, 0.3097, 0.3546



93.6696, 0.3613, 0.4221



19.8682, 0.3093, 0.3580



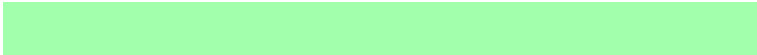
0.0000, 0.0000, 0.0000



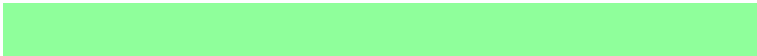
21.4041, 0.3127, 0.3290

Same Dimension

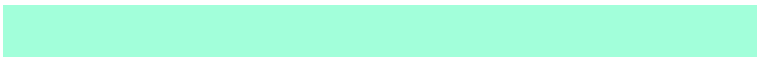
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1830, 0.3025, 0.4278



79.7007, 0.3006, 0.4524



84.2583, 0.2792, 0.3717



20.1997, 0.3101, 0.3509



37.4227, 0.2979, 0.5926



3.6536, 0.2941, 0.5787

Inverse Universe

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



53.7135, 0.3249, 0.2470



47.3177, 0.3280, 0.2309



51.2500, 0.3656, 0.2905



18.2650, 0.3154, 0.3080



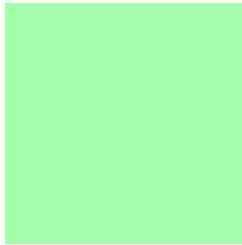
14.0431, 0.3498, 0.1701



1.3765, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 82.1799, 0.3025, 0.4278 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 82.1799, 0.3025, 0.4278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

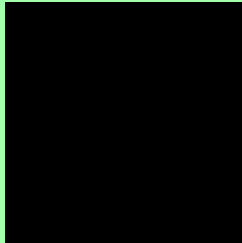
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1799, 0.3025, 0.4278

Background



This preview shows how black text looks on a background with the Yxy color 82.1799, 0.3025, 0.4278.

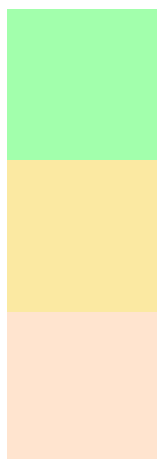


This preview shows how white text looks on a background with the Yxy color 82.1799, 0.3025, 0.4278.

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

82.1799, 0.3025, 0.4278

Protanopia

81.3957, 0.3721, 0.4014

Deuteranopia

81.2518, 0.3459, 0.3502



Tritanopia

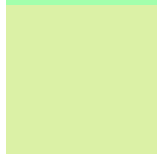
82.0009, 0.2777, 0.3140

Trichromacy



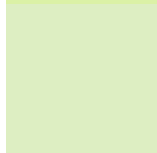
Original Color

82.1799, 0.3025, 0.4278



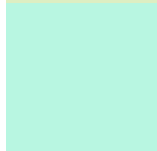
Protanomaly

80.7238, 0.3440, 0.4111



Deuteranomaly

80.4163, 0.3286, 0.3768



Tritanomaly

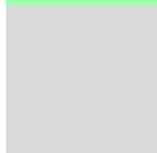
81.5381, 0.2867, 0.3525

Monochromacy



Original Color

82.1799, 0.3025, 0.4278



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3746, 0.3091, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1799, 0.3025, 0.4278 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(162, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(162, 255, 172)  
}
```

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(162, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 82.1799, 0.3025, 0.4278 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(162, 255, 172) }
```

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

```
.border{ border-color:rgb(162, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1799, 0.3025, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 172) }
```

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

```
.background{ background-color: rgb(162,  
255, 172) }
```

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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