

Converting Colors

$Yxy(82.9670, 0.2905, 0.4084)$

Have a look what the booklet for
Yxy(82.9670, 0.2905, 0.4084)
contains.

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Color

Yxy(82.2620, 0.2906, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	9CFFBD
RGB	156, 255, 189
RGB Percent	61%, 100%, 74%
CMY	0.3881, 0.0000, 0.2587
CMYK	0.39, 0.00, 0.26, 0.00
HSL	140°, 100%, 81%
HSV	140°, 39%, 100%
XYZ	58.6634, 82.2620, 60.9445
YIQ	217.8750, -37.8180, -41.5140

Conversions

Conversions Part 2

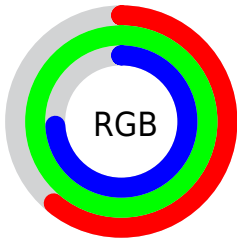
Format	Color
R _{YB}	156, 230, 255
Decimal	10289085
CIE _{Lab}	92.69, -42.78, 22.57
CIE _{LCh}	93, 48.373, 152.184
Y _{xy}	82.2620, 0.2906, 0.4075
Android (android.graphics.Color)	4288479165 (0xFF9CFFBD)
YUV	217.8750, -14.2354, -54.2644
Hunter-Lab	90.6984, -43.2690, 23.6491

Details

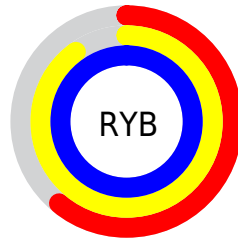
The Yxy color **82.2620, 0.2906, 0.4075** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.3247, 0.3455, 0.2621**, and the grayscale version is **70.1491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4087, 0.2936, 0.3393**, and **44.8468, 0.2849, 0.4284** is the 20% darker color. If you saturate the color by 10%, you get **79.2864, 0.2863, 0.4324**, and if you desaturate by 10%, it is **85.8649, 0.2958, 0.3843**.

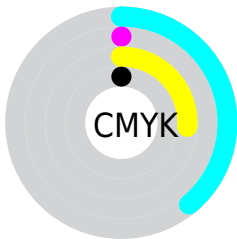
Distribution



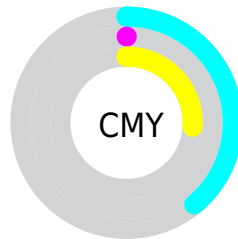
- Red (61%)
- Green (100%)
- Blue (74%)



- Red (61%)
- Yellow (90%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2620, 0.2906, 0.4075 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 82.2620, 0.2906, 0.4075 by changing the saturation by 10% instead.

 82.2620, 0.2906,
0.4075


 82.2620, 0.2906,
0.4075


502.5236, 0.3016,
0.3700

 61.5815, 0.2879,
0.4163


 136.5414, 0.2946,
0.3943

 44.6946, 0.2845,
0.4273


 170.9090, 0.2961,
0.3892

 31.2170, 0.2800,
0.4415


210.6079, 0.2973,
0.3849

 20.7641, 0.2739,
0.4603

256.0223, 0.2984,
0.3811

 12.9517, 0.2652,
0.4864

307.5367, 0.2994,
0.3778

 7.3953, 0.2518,
0.5249


365.5354, 0.3002,


 3.7105, 0.2290,


0.3749


0.5862


430.4030, 0.3009,
0.3723


 1.5130, 0.1613,
0.8387

 0.2978, 0.0000,
1.0000


 82.2620, 0.2906,
0.4075


 82.2620, 0.2906,
0.4075

 79.2864, 0.2863,
0.4324

 85.8649, 0.2958,
0.3843

 76.8914, 0.2832,
0.4583

 90.1185, 0.3014,
0.3631

 75.0395, 0.2816,
0.4844

 95.0573, 0.3074,
0.3440

 73.6847, 0.2817,
0.5096

99.9981, 0.3127,
0.3290

■ 72.7727, 0.2836,
0.5326

■ 72.2263, 0.2870,
0.5525

■ 72.1739, 0.2874,
0.5546

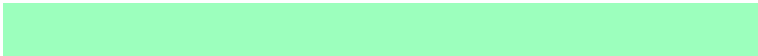
Harmonies

Analogous

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



82.2620, 0.3455, 0.4307



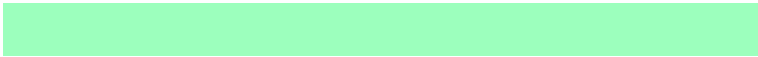
82.2620, 0.2906, 0.4075



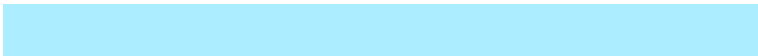
82.2620, 0.2443, 0.3563

Triad

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



82.2620, 0.2906, 0.4075



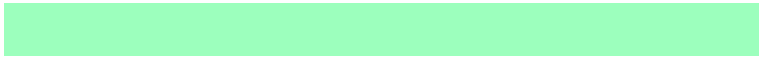
82.2620, 0.2329, 0.2422



82.2620, 0.4184, 0.3424

Complementary

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



82.2620, 0.2906, 0.4075



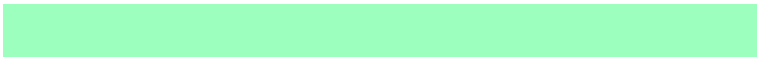
50.3247, 0.3455, 0.2621

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.



82.2620, 0.3829, 0.3000



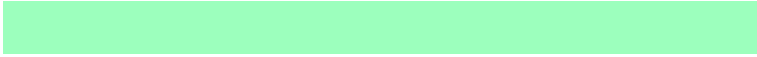
82.2620, 0.2906, 0.4075



82.2620, 0.2732, 0.2448

Square

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



82.2620, 0.2906, 0.4075



82.2620, 0.2136, 0.2606



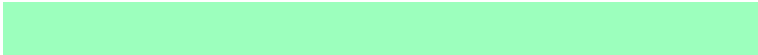
82.2620, 0.3279, 0.2655



82.2620, 0.4218, 0.3854

Rectangle

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



82.2620, 0.2906, 0.4075



82.2620, 0.2237, 0.3182



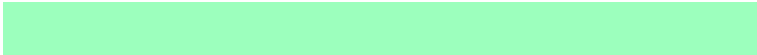
82.2620, 0.3279, 0.2655



82.2620, 0.4098, 0.3278

Sweetspot

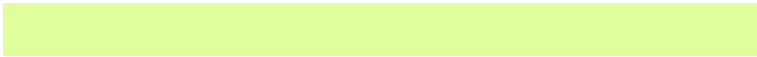
The Sweet Spot groups the original color and five complimentary colors.



82.2654, 0.2906, 0.4075



93.4064, 0.3055, 0.3498



89.4512, 0.3485, 0.4336



19.8525, 0.3047, 0.3523



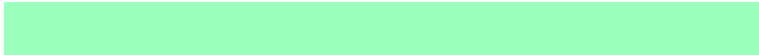
0.0000, 0.0000, 0.0000



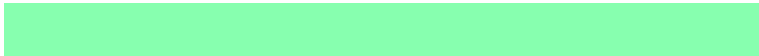
21.4041, 0.3127, 0.3290

Same Dimension

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



82.2654, 0.2906, 0.4075



79.7825, 0.2870, 0.4278



84.7928, 0.2663, 0.3475



20.2680, 0.3070, 0.3453



37.7381, 0.2866, 0.5517



3.6937, 0.2803, 0.5290

Inverse Universe

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



50.3247, 0.3455, 0.2621



43.5387, 0.3550, 0.2485



48.0493, 0.3936, 0.3119



18.1914, 0.3189, 0.3133



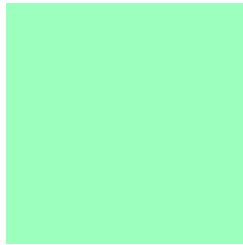
12.6542, 0.4277, 0.2130



1.2524, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 82.2620, 0.2906, 0.4075 looks on a white background.

Color Contrast Check

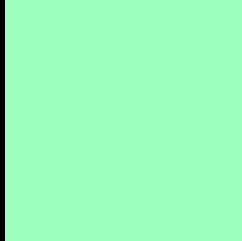
Large Text (above 18pt) WCAG AA × Fail

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 82.2620, 0.2906, 0.4075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

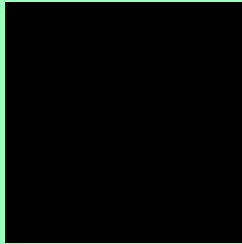
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

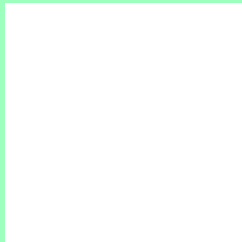
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2620, 0.2906, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 82.2620, 0.2906, 0.4075.

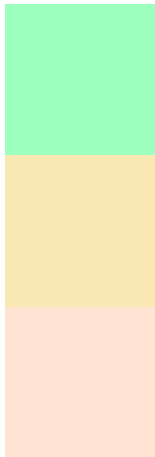


This preview shows how white text looks on a background with the Yxy color 82.2620, 0.2906, 0.4075.

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

82.2620, 0.2906, 0.4075

Protanopia

81.1076, 0.3597, 0.3836

Deuteranopia

80.9013, 0.3433, 0.3452



Tritanopia

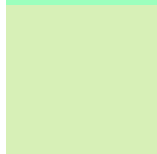
81.5999, 0.2760, 0.3139

Trichromacy



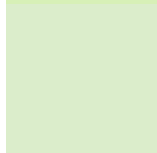
Original Color

82.2620, 0.2906, 0.4075



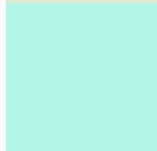
Protanomaly

80.1861, 0.3310, 0.3919



Deuteranomaly

79.9402, 0.3217, 0.3660



Tritanomaly

81.3844, 0.2812, 0.3457

Monochromacy



Original Color

82.2620, 0.2906, 0.4075



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.2589, 0.3034, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2620, 0.2906, 0.4075 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(156, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 189)  
}
```

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(156, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 82.2620, 0.2906, 0.4075 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(156, 255, 189) }
```

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

```
.border{ border-color:rgb(156, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2620, 0.2906, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 189) }
```

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

```
.background{ background-color: rgb(156,  
255, 189) }
```

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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