

Converting Colors

$Yxy(81.6533, 0.2870, 0.4076)$

Have a look what the booklet for
Yxy(81.6533, 0.2870, 0.4076)
contains.

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Color

Yxy(81.7217, 0.2870, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	96FFBE
RGB	150, 255, 190
RGB Percent	59%, 100%, 75%
CMY	0.4119, 0.0000, 0.2550
CMYK	0.41, 0.00, 0.25, 0.00
HSL	143°, 100%, 79%
HSV	143°, 41%, 100%
XYZ	57.6268, 81.7217, 61.4419
YIQ	216.1950, -41.7150, -42.4750

Conversions

Conversions Part 2

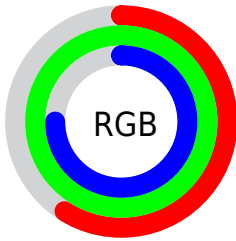
Format	Color
RYB	150, 226, 255
Decimal	9895870
CIELab	92.45, -44.28, 21.71
CIELCh	92, 49.316, 153.876
Yxy	81.7217, 0.2870, 0.4070
Android (android.graphics.Color)	4288085950 (0xFF96FFBE)
YUV	216.1950, -12.9141, -58.0530
Hunter-Lab	90.4001, -44.4126, 22.9826

Details

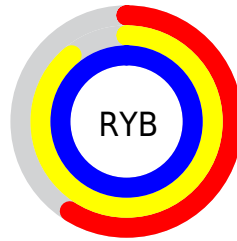
The Yxy color **81.7217, 0.2870, 0.4070** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.9709, 0.3529, 0.2628**, and the grayscale version is **68.9132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5837, 0.2896, 0.3383**, and **44.4929, 0.2803, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **78.9044, 0.2825, 0.4303**, and if you desaturate by 10%, it is **85.1342, 0.2925, 0.3851**.

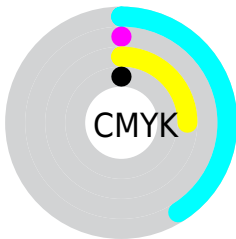
Distribution



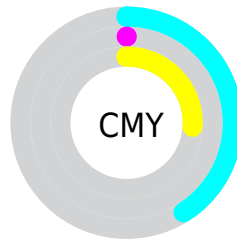
- Red (59%)
- Green (100%)
- Blue (75%)



- Red (59%)
- Yellow (89%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7217, 0.2870, 0.4070 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 81.7217, 0.2870, 0.4070 by changing the saturation by 10% instead.


 81.7217, 0.2870,
0.4070


 81.7217, 0.2870,
0.4070


500.7163, 0.2996,
0.3697

 61.1362, 0.2839,
0.4158

 135.7837, 0.2915,
0.3938

 44.3351, 0.2801,
0.4268


 170.0289, 0.2932,
0.3888

 30.9340, 0.2751,
0.4409


209.5961, 0.2947,
0.3845

 20.5486, 0.2683,
0.4597

254.8698, 0.2959,
0.3807

 12.7945, 0.2586,
0.4859

306.2342, 0.2970,
0.3774

 7.2872, 0.2439,
0.5246


364.0738, 0.2980,


 3.6423, 0.2194,


0.3746

0.5864

428.7731, 0.2989,
0.3720


 1.4756, 0.1345,
0.8655


 0.2714, 0.0000,
1.0000

 81.7217, 0.2870,
0.4070


 81.7217, 0.2870,
0.4070


 78.9044, 0.2825,
0.4303


 85.1342, 0.2925,
0.3851


 76.6542, 0.2794,
0.4546

 89.1844, 0.2987,
0.3650

 74.9270, 0.2779,
0.4790

 93.9003, 0.3052,
0.3469

 73.6760, 0.2784,
0.5027

 99.3110, 0.3119,
0.3308

■ 72.8450, 0.2806,
0.5245

100.0000, 0.3127,
0.3290

■ 72.3857, 0.2838,
0.5417

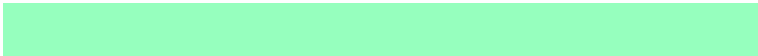
Harmonies

Analogous

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



81.7217, 0.3429, 0.4327



81.7217, 0.2870, 0.4070



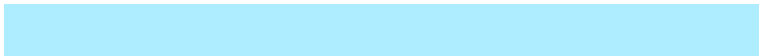
81.7217, 0.2407, 0.3535

Triad

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



81.7217, 0.2870, 0.4070



81.7217, 0.2331, 0.2401



81.7217, 0.4219, 0.3450

Complementary

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



81.7217, 0.2870, 0.4070



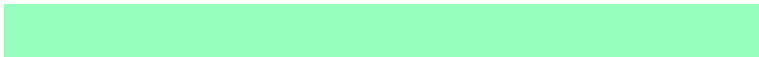
47.9709, 0.3529, 0.2628

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.



81.7217, 0.3871, 0.3017



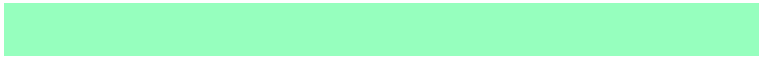
81.7217, 0.2870, 0.4070



81.7217, 0.2751, 0.2439

Square

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



81.7217, 0.2870, 0.4070



81.7217, 0.2122, 0.2575



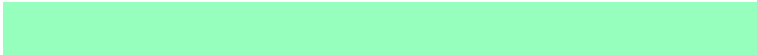
81.7217, 0.3316, 0.2659



81.7217, 0.4233, 0.3886

Rectangle

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



81.7217, 0.2870, 0.4070



81.7217, 0.2207, 0.3147



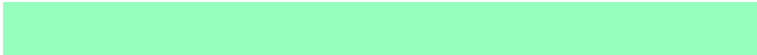
81.7217, 0.3316, 0.2659



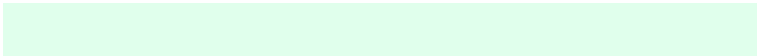
81.7217, 0.4137, 0.3301

Sweetspot

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



81.7188, 0.2870, 0.4070



93.4907, 0.3047, 0.3483



88.3951, 0.3480, 0.4412



19.8723, 0.3038, 0.3506



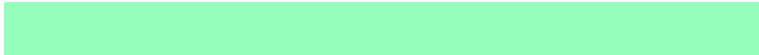
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.7188, 0.2870, 0.4070



79.4701, 0.2834, 0.4251



84.3524, 0.2624, 0.3448



20.2827, 0.3063, 0.3441



37.8499, 0.2830, 0.5386



3.7058, 0.2766, 0.5159

Inverse Universe

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



47.9709, 0.3529, 0.2628



41.7632, 0.3637, 0.2509



45.7446, 0.4046, 0.3146



18.1762, 0.3197, 0.3144



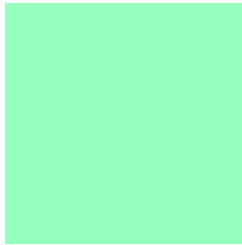
12.4262, 0.4466, 0.2234



1.2312, 0.4284, 0.2134

Previews

White Background



This preview shows how the Yxy color 81.7217, 0.2870, 0.4070 looks on a white background.

Color Contrast Check

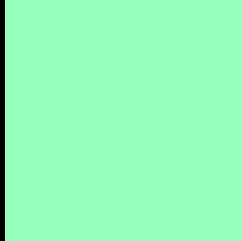
Large Text (above 18pt) WCAG AA × Fail

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 81.7217, 0.2870, 0.4070 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 81.7217, 0.2870, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 81.7217, 0.2870, 0.4070.

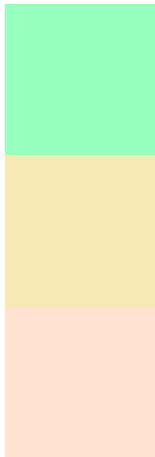


This preview shows how white text looks on a background with the Yxy color 81.7217, 0.2870, 0.4070.

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

81.7217, 0.2870, 0.4070

Protanopia

80.9244, 0.3589, 0.3837

Deuteranopia

80.3059, 0.3442, 0.3452



Tritanopia

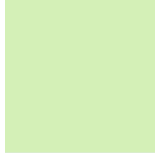
81.2070, 0.2744, 0.3139

Trichromacy



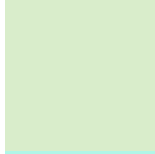
Original Color

81.7217, 0.2870, 0.4070



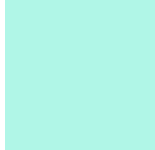
Protanomaly

79.7361, 0.3289, 0.3923



Deuteranomaly

79.6319, 0.3204, 0.3661



Tritanomaly

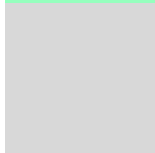
80.9112, 0.2790, 0.3458

Monochromacy



Original Color

81.7217, 0.2870, 0.4070



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3051, 0.3014, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7217, 0.2870, 0.4070 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(150, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 190)  
}
```

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(150, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 190) }
```

Border

The CSS property to change the border of an element to Yxy 81.7217, 0.2870, 0.4070 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(150, 255, 190) }
```

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

```
.border{ border-color:rgb(150, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7217, 0.2870, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 190) }
```

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

```
.background{ background-color: rgb(150,  
255, 190) }
```

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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