

Converting Colors

$Yxy(81.7092, 0.2921, 0.4155)$

Have a look what the booklet for
Yxy(81.7092, 0.2921, 0.4155)
contains.

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Color

Yxy(81.7112, 0.2920, 0.4154)

Conversions

Conversions Part 1

Format	Color
Hex	99FFB7
RGB	153, 255, 183
RGB Percent	60%, 100%, 72%
CMY	0.4002, 0.0000, 0.2823
CMYK	0.40, 0.00, 0.28, 0.00
HSL	138°, 100%, 80%
HSV	138°, 40%, 100%
XYZ	57.4378, 81.7112, 57.5558
YIQ	216.2940, -37.6800, -44.0160

Conversions

Conversions Part 2

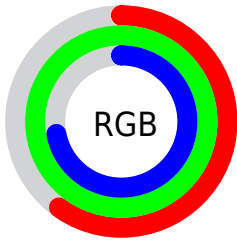
Format	Color
RYB	153, 232, 255
Decimal	10092471
CIELab	92.45, -44.72, 25.27
CIElCh	92, 51.366, 150.534
Yxy	81.7112, 0.2920, 0.4154
Android (android.graphics.Color)	4288282551 (0xFF99FFB7)
YUV	216.2940, -16.4139, -55.5088
Hunter-Lab	90.3942, -44.7684, 25.5248

Details

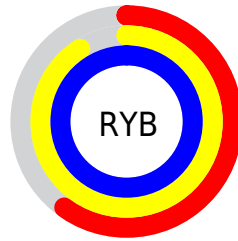
The Yxy color **81.7112, 0.2920, 0.4154** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.4562, 0.3432, 0.2564**, and the grayscale version is **69.0028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6009, 0.2951, 0.3456**, and **44.4867, 0.2856, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **78.7843, 0.2882, 0.4419**, and if you desaturate by 10%, it is **85.2550, 0.2966, 0.3905**.

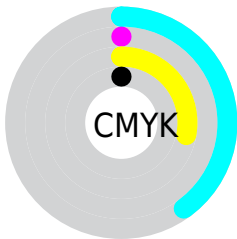
Distribution



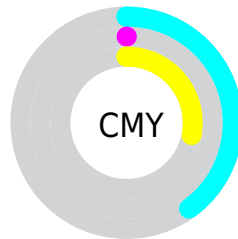
- Red (60%)
- Green (100%)
- Blue (72%)



- Red (60%)
- Yellow (91%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7112, 0.2920, 0.4154 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 81.7112, 0.2920, 0.4154 by changing the saturation by 10% instead.


 81.7112, 0.2920,
0.4154


 81.7112, 0.2920,
0.4154


500.6812, 0.3026,
0.3740

 61.1275, 0.2893,
0.4252

 135.7689, 0.2959,
0.4008

 44.3281, 0.2860,
0.4374


 170.0118, 0.2973,
0.3951

 30.9285, 0.2814,
0.4532


209.5764, 0.2985,
0.3903

 20.5444, 0.2752,
0.4742

254.8473, 0.2996,
0.3862

 12.7914, 0.2662,
0.5033

306.2089, 0.3005,
0.3825

 7.2851, 0.2519,
0.5462

364.0454, 0.3012,

 3.6410, 0.2273,

0.3793

0.6143

428.7414, 0.3019,
0.3765

■ 1.4748, 0.1288,
0.8712

■ 0.2709, 0.0000,
1.0000

■ 81.7112, 0.2920,
0.4154

■ 81.7112, 0.2920,
0.4154

■ 78.7843, 0.2882,
0.4419

■ 85.2550, 0.2966,
0.3905

■ 76.4498, 0.2855,
0.4693

■ 89.4636, 0.3018,
0.3677

■ 74.6616, 0.2843,
0.4966

■ 94.3642, 0.3072,
0.3472

■ 73.3720, 0.2847,
0.5223

99.9869, 0.3127,
0.3290

■ 72.5245, 0.2868,
0.5451

100.0000, 0.3127,
0.3290

■ 72.0302, 0.2900,
0.5641

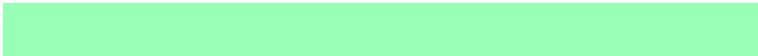
Harmonies

Analogous

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



81.7112, 0.3502, 0.4378



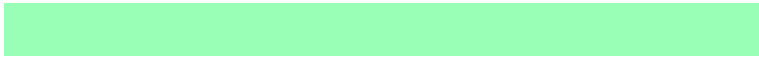
81.7112, 0.2920, 0.4154



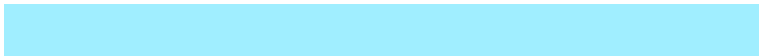
81.7112, 0.2422, 0.3613

Triad

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



81.7112, 0.2920, 0.4154



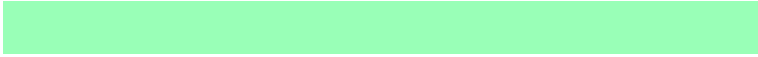
81.7112, 0.2265, 0.2376



81.7112, 0.4240, 0.3401

Complementary

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



81.7112, 0.2920, 0.4154



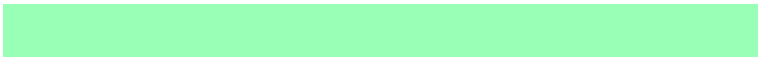
49.4562, 0.3432, 0.2564

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.



81.7112, 0.3845, 0.2959



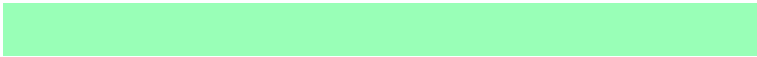
81.7112, 0.2920, 0.4154



81.7112, 0.2678, 0.2394

Square

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



81.7112, 0.2920, 0.4154



81.7112, 0.2075, 0.2580



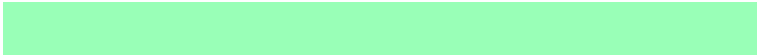
81.7112, 0.3253, 0.2602



81.7112, 0.4293, 0.3857

Rectangle

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



81.7112, 0.2920, 0.4154



81.7112, 0.2199, 0.3204



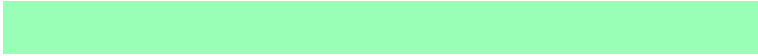
81.7112, 0.3253, 0.2602



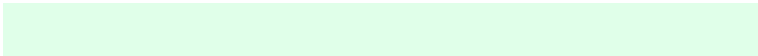
81.7112, 0.4142, 0.3248

Sweetspot

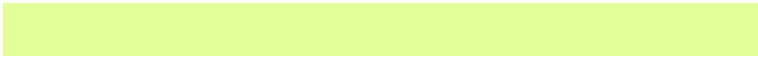
The Sweet Spot groups the original color and five complimentary colors.



81.7068, 0.2920, 0.4154



93.3384, 0.3061, 0.3511



90.0004, 0.3529, 0.4358



19.8366, 0.3054, 0.3537



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.



81.7068, 0.2920, 0.4154



79.3264, 0.2889, 0.4365



84.1637, 0.2675, 0.3542



20.2562, 0.3075, 0.3462



37.6599, 0.2892, 0.5612



3.6850, 0.2831, 0.5391

Inverse Universe

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



49.4562, 0.3432, 0.2564



43.0362, 0.3515, 0.2426



47.1216, 0.3920, 0.3060



18.2038, 0.3183, 0.3124



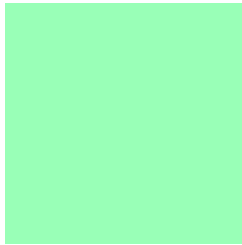
12.8548, 0.4129, 0.2048



1.2708, 0.3998, 0.1976

Previews

White Background



This preview shows how the Yxy color 81.7112, 0.2920, 0.4154 looks on a white background.

Color Contrast Check

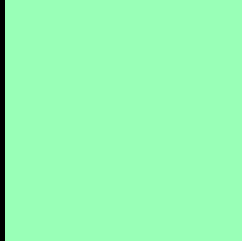
Large Text (above 18pt) WCAG AA × Fail

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 81.7112, 0.2920, 0.4154 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 81.7112, 0.2920, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 81.7112, 0.2920, 0.4154.

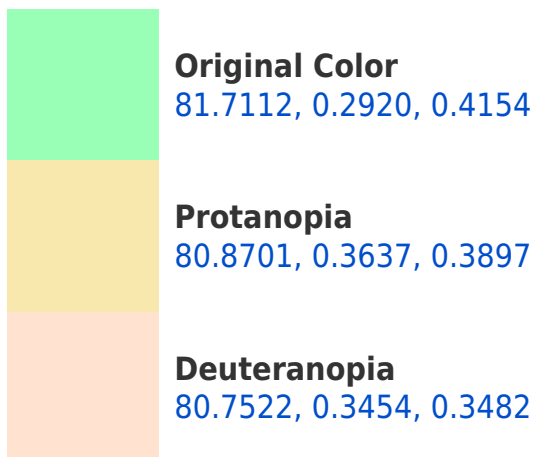


This preview shows how white text looks on a background with the Yxy color 81.7112, 0.2920, 0.4154.

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

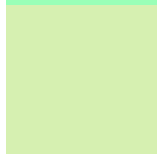
81.3371, 0.2749, 0.3139

Trichromacy



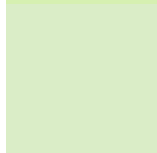
Original Color

81.7112, 0.2920, 0.4154



Protanomaly

79.7906, 0.3340, 0.3988



Deuteranomaly

79.5973, 0.3235, 0.3705



Tritanomaly

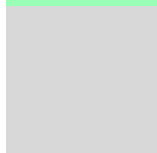
81.0337, 0.2812, 0.3481

Monochromacy



Original Color

81.7112, 0.2920, 0.4154



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.2907, 0.3039, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7112, 0.2920, 0.4154 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 81.7112, 0.2920, 0.4154 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, 183) }
```

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

```
.border{ border-color:rgb(153, 255, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7112, 0.2920, 0.4154 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, 183) }
```

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

```
.background{ background-color: rgb(153,  
255, 183) }
```

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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