

Converting Colors

Yxy(81.8436, 0.3223, 0.4640)

Have a look what the booklet for
Yxy(81.8436, 0.3223, 0.4640)
contains.

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Color

Yxy(81.8485, 0.3225, 0.4642)

Conversions

Conversions Part 1

Format	Color
Hex	A9FF8C
RGB	169, 255, 140
RGB Percent	66%, 100%, 55%
CMY	0.3370, 0.0000, 0.4510
CMYK	0.34, 0.00, 0.45, 0.00
HSL	105°, 100%, 77%
HSV	105°, 45%, 100%
XYZ	56.8637, 81.8485, 37.6094
YIQ	216.1760, -14.3410, -53.9970

Conversions

Conversions Part 2

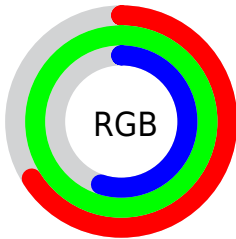
Format	Color
RYB	140, 255, 226
Decimal	11141004
CIELab	92.51, -46.40, 46.76
CIELCh	93, 65.869, 134.779
Yxy	81.8485, 0.3225, 0.4642
Android (android.graphics.Color)	4289331084 (0xFFA9FF8C)
YUV	216.1760, -37.5548, -41.3734
Hunter-Lab	90.4702, -46.1292, 38.6816

Details

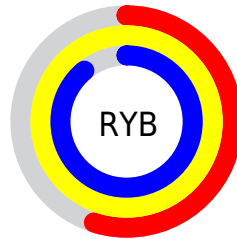
The Yxy color **81.8485, 0.3225, 0.4642** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.1337, 0.2931, 0.2101**, and the grayscale version is **69.0729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7910, 0.3298, 0.3917**, and **44.5870, 0.3212, 0.4986** is the 20% darker color. If you saturate the color by 10%, you get **79.2277, 0.3227, 0.4974**, and if you desaturate by 10%, it is **84.9578, 0.3213, 0.4308**.

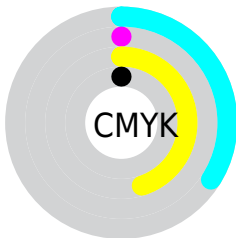
Distribution



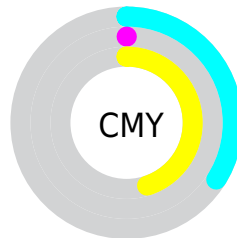
- Red (66%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (89%)



- Cyan (34%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8485, 0.3225, 0.4642 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 81.8485, 0.3225, 0.4642 by changing the saturation by 10% instead.


 81.8485, 0.3225,
0.4642


 81.8485, 0.3225,
0.4642

501.1408, 0.3210,
0.3992

 61.2407, 0.3220,
0.4794


 135.9615, 0.3227,
0.4413

 44.4194, 0.3209,
0.4981


 170.2355, 0.3225,
0.4325

 31.0004, 0.3187,
0.5219


209.8337, 0.3223,
0.4250

 20.5991, 0.3146,
0.5527

255.1404, 0.3221,
0.4184

 12.8313, 0.3066,
0.5936

306.5401, 0.3218,
0.4127

 7.3125, 0.2914,
0.6508


364.4171, 0.3215,


 3.6583, 0.2622,


0.4077


0.7378


429.1559, 0.3213,
0.4032

 1.4843, 0.1100,
0.8900


 0.2776, 0.0000,
1.0000


 81.8485, 0.3225,
0.4642


 81.8485, 0.3225,
0.4642


 79.2277, 0.3227,
0.4974

 84.9578, 0.3213,
0.4308


 77.0595, 0.3217,
0.5284

 88.5685, 0.3193,
0.3987

 75.3193, 0.3194,
0.5551

 92.7061, 0.3169,
0.3688

 73.9758, 0.3159,
0.5754

 97.3911, 0.3142,
0.3417

■ 72.9923, 0.3115,
0.5884

99.9978, 0.3127,
0.3290

■ 72.6223, 0.3093,
0.5926

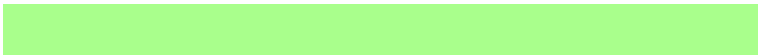
Harmonies

Analogous

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



81.8485, 0.3935, 0.4621



81.8485, 0.3225, 0.4642



81.8485, 0.2527, 0.4120

Triad

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



81.8485, 0.3225, 0.4642



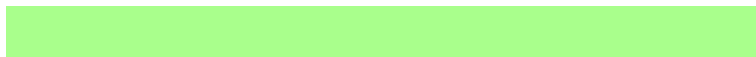
81.8485, 0.1900, 0.2239



81.8485, 0.4336, 0.3110

Complementary

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



81.8485, 0.3225, 0.4642



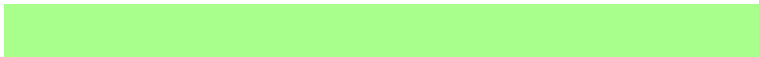
42.1337, 0.2931, 0.2101

Split Complementary

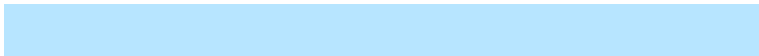
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8485, 0.3654, 0.2623



81.8485, 0.3225, 0.4642



81.8485, 0.2258, 0.2137

Square

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



81.8485, 0.3225, 0.4642



81.8485, 0.1819, 0.2625



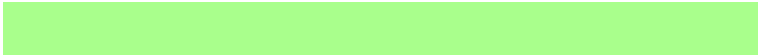
81.8485, 0.2876, 0.2279



81.8485, 0.4637, 0.3666

Rectangle

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



81.8485, 0.3225, 0.4642



81.8485, 0.2163, 0.3583



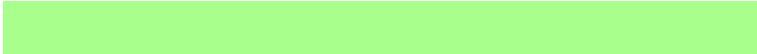
81.8485, 0.2876, 0.2279



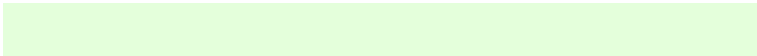
81.8485, 0.4139, 0.2937

Sweetspot

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



81.8520, 0.3225, 0.4642



93.1967, 0.3166, 0.3657



76.6414, 0.3928, 0.4140



19.7443, 0.3172, 0.3719



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

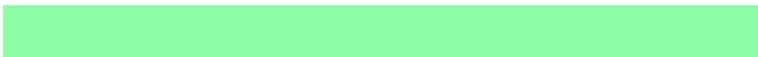
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8520, 0.3225, 0.4642



79.4957, 0.3227, 0.4938



79.8766, 0.2934, 0.4377



20.3898, 0.3154, 0.3533



38.0070, 0.3102, 0.5919



3.7498, 0.3179, 0.5858

Inverse Universe

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



42.1337, 0.2931, 0.2101



35.2607, 0.2876, 0.1877



45.6248, 0.3417, 0.2412



18.0558, 0.3097, 0.3053



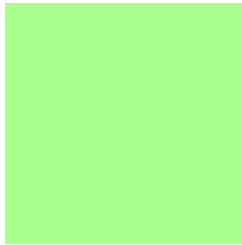
9.6057, 0.2576, 0.1193



0.9870, 0.2651, 0.1234

Previews

White Background



This preview shows how the Yxy color 81.8485, 0.3225, 0.4642 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 81.8485, 0.3225, 0.4642 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

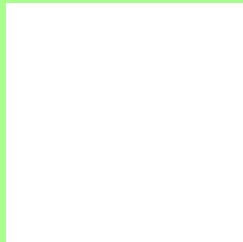
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8485, 0.3225, 0.4642

Background



This preview shows how black text looks on a background with the Yxy color 81.8485, 0.3225, 0.4642.



This preview shows how white text looks on a background with the Yxy color 81.8485, 0.3225, 0.4642.

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

81.8485, 0.3225, 0.4642

Protanopia

80.6667, 0.3936, 0.4272

Deuteranopia

80.9169, 0.3507, 0.3574



Tritanopia

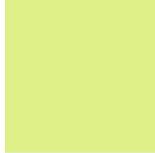
81.0951, 0.2787, 0.3119

Trichromacy



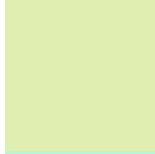
Original Color

81.8485, 0.3225, 0.4642



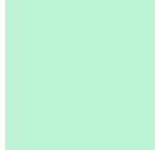
Protanomaly

79.9450, 0.3655, 0.4404



Deuteranomaly

80.2107, 0.3408, 0.3941



Tritanomaly

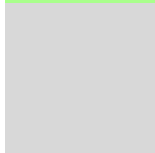
80.8003, 0.2955, 0.3651

Monochromacy



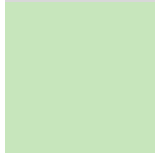
Original Color

81.8485, 0.3225, 0.4642



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3666, 0.3179, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8485, 0.3225, 0.4642 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(169, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 140)  
}
```

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(169, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 140) }
```

Border

The CSS property to change the border of an element to Yxy 81.8485, 0.3225, 0.4642 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(169, 255, 140) }
```

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

```
.border{ border-color:rgb(169, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8485, 0.3225, 0.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 140) }
```

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

```
.background{ background-color: rgb(169,  
255, 140) }
```

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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