

Converting Colors

$Y_{xy}(82.8200, 0.3290, 0.4641)$

Have a look what the booklet for
Yxy(82.8200, 0.3290, 0.4641)
contains.

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Color

Yxy(82.8200, 0.3290, 0.4641)

Conversions

Conversions Part 1

Format	Color
Hex	B2FF8A
RGB	178, 255, 138
RGB Percent	70%, 100%, 54%
CMY	0.3018, 0.0000, 0.4590
CMYK	0.30, 0.00, 0.46, 0.00
HSL	99°, 100%, 77%
HSV	99°, 46%, 100%
XYZ	58.7110, 82.8200, 36.9219
YIQ	218.6390, -8.3350, -52.7110

Conversions

Conversions Part 2

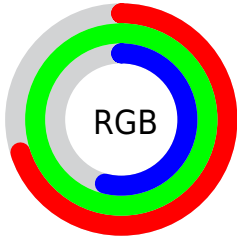
Format	Color
RYB	138, 255, 215
Decimal	11730826
CIELab	92.94, -43.73, 48.35
CIELCh	93, 65.192, 132.123
Yxy	82.8200, 0.3290, 0.4641
Android (android.graphics.Color)	4289920906 (0xFFB2FF8A)
YUV	218.6390, -39.7550, -35.6404
Hunter-Lab	91.0055, -44.1027, 39.6493

Details

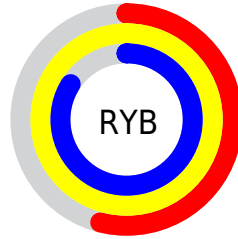
The Yxy color **82.8200, 0.3290, 0.4641** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.8239, 0.2837, 0.2049**, and the grayscale version is **70.8640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2031, 0.3369, 0.3926**, and **45.1816, 0.3289, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **80.3047, 0.3302, 0.4960**, and if you desaturate by 10%, it is **85.7570, 0.3266, 0.4317**.

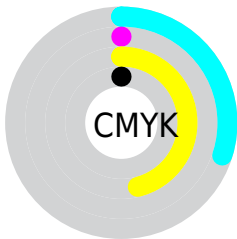
Distribution



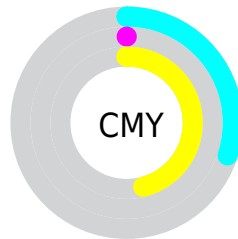
- Red (70%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (84%)



- Cyan (30%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8200, 0.3290, 0.4641 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 82.8200, 0.3290, 0.4641 by changing the saturation by 10% instead.

 82.8200, 0.3290,
0.4641


 82.8200, 0.3290,
0.4641

504.3864, 0.3246,
0.3996


 62.0417, 0.3291,
0.4790


 137.3233, 0.3282,
0.4415

 45.0664, 0.3288,
0.4974


 171.8171, 0.3276,
0.4328

 31.5097, 0.3275,
0.5206


 211.6515, 0.3271,
0.4253

 20.9873, 0.3245,
0.5504

257.2109, 0.3266,
0.4188

 13.1147, 0.3180,
0.5896

308.8797, 0.3260,
0.4131

 7.5076, 0.3051,
0.6443


367.0423, 0.3255,


 3.7815, 0.2776,

0.4080

0.7224

432.0831, 0.3251,
0.4036


 1.5521, 0.1591,
0.8409


 0.3250, 0.0000,
1.0000

 82.8200, 0.3290,
0.4641


 82.8200, 0.3290,
0.4641


 80.3047, 0.3302,
0.4960


 85.7570, 0.3266,
0.4317

 78.1814, 0.3298,
0.5255

 89.1263, 0.3233,
0.4003

 76.4298, 0.3278,
0.5509

 92.9490, 0.3194,
0.3708

 75.0237, 0.3240,
0.5703

 97.2420, 0.3152,
0.3437

■ 73.9324, 0.3190,
0.5830

100.0000, 0.3127,
0.3290

■ 73.5608, 0.3168,
0.5867

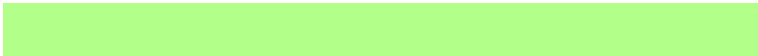
Harmonies

Analogous

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



82.8200, 0.3983, 0.4579



82.8200, 0.3290, 0.4641



82.8200, 0.2591, 0.4170

Triad

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



82.8200, 0.3290, 0.4641



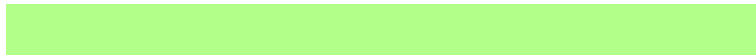
82.8200, 0.1897, 0.2274



82.8200, 0.4271, 0.3067

Complementary

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



82.8200, 0.3290, 0.4641



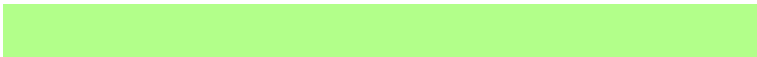
39.8239, 0.2837, 0.2049

Split Complementary

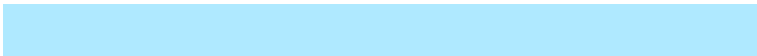
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8200, 0.3578, 0.2594



82.8200, 0.3290, 0.4641



82.8200, 0.2227, 0.2150

Square

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



82.8200, 0.3290, 0.4641



82.8200, 0.1841, 0.2684



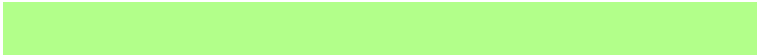
82.8200, 0.2818, 0.2269



82.8200, 0.4609, 0.3614

Rectangle

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



82.8200, 0.3290, 0.4641



82.8200, 0.2217, 0.3652



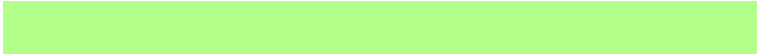
82.8200, 0.2818, 0.2269



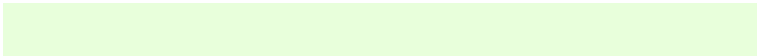
82.8200, 0.4067, 0.2898

Sweetspot

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



82.8229, 0.3290, 0.4641



93.7262, 0.3186, 0.3655



71.2063, 0.3989, 0.4065



19.8722, 0.3195, 0.3716



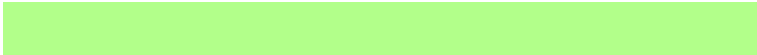
0.0000, 0.0000, 0.0000



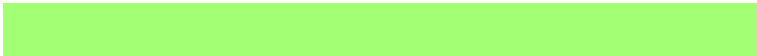
21.4041, 0.3127, 0.3290

Same Dimension

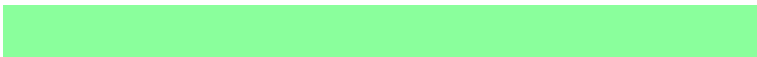
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8229, 0.3290, 0.4641



80.5139, 0.3301, 0.4932



79.3044, 0.2978, 0.4524



20.4704, 0.3168, 0.3532



38.5109, 0.3179, 0.5858



3.8073, 0.3264, 0.5790

Inverse Universe

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



39.8239, 0.2837, 0.2049



32.6876, 0.2758, 0.1807



45.5675, 0.3333, 0.2313



17.9708, 0.3083, 0.3052



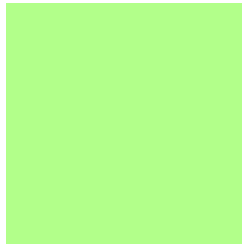
8.1910, 0.2361, 0.1074



0.8580, 0.2458, 0.1128

Previews

White Background



This preview shows how the Yxy color 82.8200, 0.3290, 0.4641 looks on a white background.

Color Contrast Check

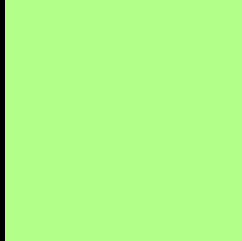
Large Text (above 18pt) WCAG AA × Fail

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 82.8200, 0.3290, 0.4641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

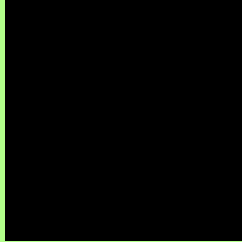
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

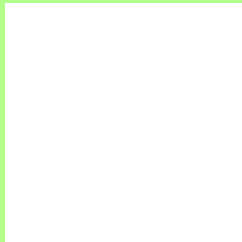
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8200, 0.3290, 0.4641

Background



This preview shows how black text looks on a background with the Yxy color 82.8200, 0.3290, 0.4641.

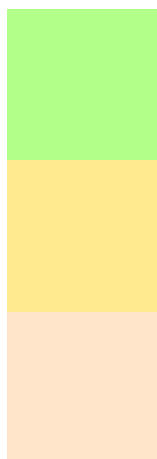


This preview shows how white text looks on a background with the Yxy color 82.8200, 0.3290, 0.4641.

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

82.8200, 0.3290, 0.4641

Protanopia

82.0888, 0.3867, 0.4198

Deuteranopia

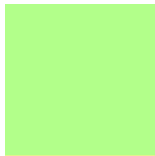
82.1654, 0.3483, 0.3563



Tritanopia

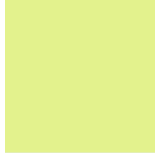
82.6620, 0.2829, 0.3132

Trichromacy



Original Color

82.8200, 0.3290, 0.4641



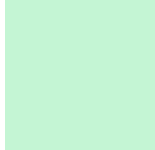
Protanomaly

81.7582, 0.3642, 0.4363



Deuteranomaly

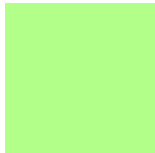
81.3186, 0.3421, 0.3936



Tritanomaly

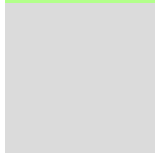
81.7940, 0.3010, 0.3658

Monochromacy



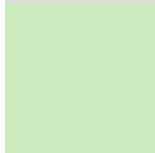
Original Color

82.8200, 0.3290, 0.4641



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2683, 0.3200, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8200, 0.3290, 0.4641 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(178, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 138)  
}
```

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(178, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 138) }
```

Border

The CSS property to change the border of an element to Yxy 82.8200, 0.3290, 0.4641 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(178, 255, 138) }
```

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

```
.border{ border-color:rgb(178, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8200, 0.3290, 0.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 138) }
```

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

```
.background{ background-color: rgb(178,  
255, 138) }
```

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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