

Converting Colors

$Y_{xy}(129.4305, 0.3166, 0.4480)$

Have a look what the booklet for
Yxy(129.4305, 0.3166, 0.4480)
contains.

Yxy(88.7061, 0.3222, 0.4018)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.7061, 0.3222, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	D1FFBC
RGB	209, 255, 188
RGB Percent	82%, 100%, 74%
CMY	0.1803, 0.0000, 0.2629
CMYK	0.18, 0.00, 0.26, 0.00
HSL	101°, 100%, 87%
HSV	101°, 26%, 100%
XYZ	71.1327, 88.7061, 60.9330
YIQ	233.6080, -5.9090, -30.5890

Conversions

Conversions Part 2

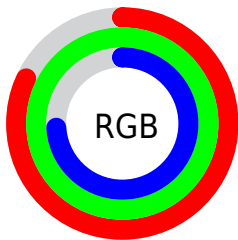
Format	Color
RYB	188, 255, 234
Decimal	13762492
CIELab	95.46, -26.46, 27.35
CIELCh	95, 38.060, 134.053
Yxy	88.7061, 0.3222, 0.4018
Android (android.graphics.Color)	4291952572 (0xFFD1FFBC)
YUV	233.6080, -22.4847, -21.5812
Hunter-Lab	94.1839, -30.0092, 27.5706

Details

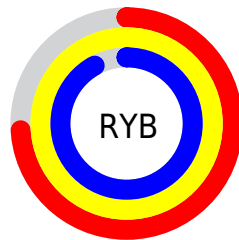
The Yxy color **88.7061, 0.3222, 0.4018** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.6594, 0.2999, 0.2601**, and the grayscale version is **82.1453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **48.9794, 0.3238, 0.4193** is the 20% darker color. If you saturate the color by 10%, you get **85.2900, 0.3250, 0.4335**, and if you desaturate by 10%, it is **92.5997, 0.3188, 0.3720**.

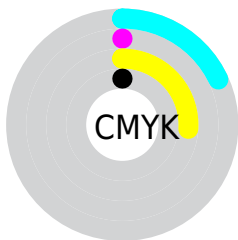
Distribution



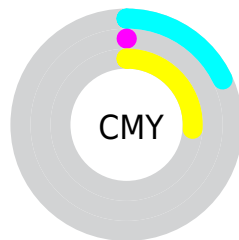
- Red (82%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (92%)



- Cyan (18%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.7061, 0.3222, 0.4018 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 88.7061, 0.3222, 0.4018 by changing the saturation by 10% instead.


 88.7061, 0.3222,
0.4018

 88.7061, 0.3222,
0.4018

523.8128, 0.3187,
0.3680

 66.9080, 0.3228,
0.4095


 145.5398, 0.3212,
0.3901

 49.0099, 0.3233,
0.4190


181.3442, 0.3207,
0.3855

 34.6273, 0.3239,
0.4311


222.5861, 0.3203,
0.3816

 23.3759, 0.3243,
0.4467

269.6500, 0.3200,
0.3781

 14.8713, 0.3242,
0.4678

322.9202, 0.3196,
0.3751

 8.7291, 0.3231,
0.4976

382.7811, 0.3193,

 4.5649, 0.3187,

0.3725

0.5424

449.6172, 0.3190,
0.3701

1.9943, 0.3313,
0.6687

0.6042, 0.0000,
1.0000

88.7061, 0.3222,
0.4018

88.7061, 0.3222,
0.4018

85.2900, 0.3250,
0.4335

92.5997, 0.3188,
0.3720

82.3277, 0.3270,
0.4663

96.9844, 0.3151,
0.3447

79.7999, 0.3278,
0.4985

100.0000, 0.3127,
0.3290

77.6843, 0.3271,
0.5283

■ 75.9562, 0.3248,
0.5538

■ 74.5878, 0.3210,
0.5731

■ 73.5461, 0.3160,
0.5854

■ 73.2284, 0.3142,
0.5888

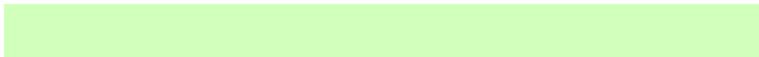
Harmonies

Analogous

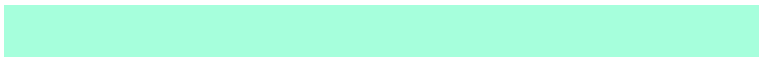
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7061, 0.3629, 0.4047



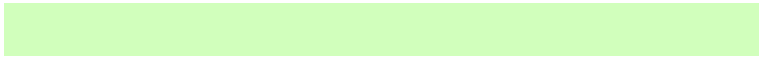
88.7061, 0.3222, 0.4018



88.7061, 0.2807, 0.3745

Triad

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



88.7061, 0.3222, 0.4018



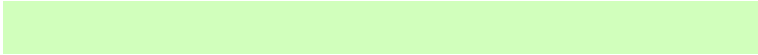
88.7061, 0.2388, 0.2683



88.7061, 0.3797, 0.3199

Complementary

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



88.7061, 0.3222, 0.4018



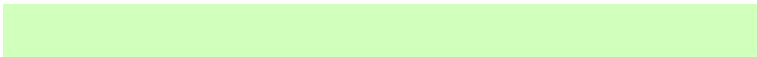
60.6594, 0.2999, 0.2601

Split Complementary

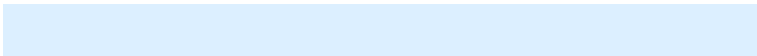
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7061, 0.3423, 0.2889



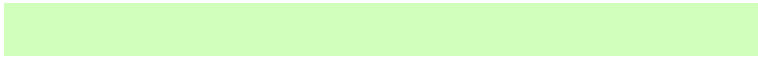
88.7061, 0.3222, 0.4018



88.7061, 0.2613, 0.2597

Square

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



88.7061, 0.3222, 0.4018



88.7061, 0.2344, 0.2941



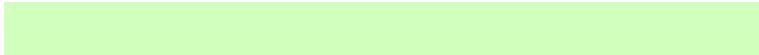
88.7061, 0.2985, 0.2674



88.7061, 0.3979, 0.3546

Rectangle

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



88.7061, 0.3222, 0.4018



88.7061, 0.2580, 0.3475



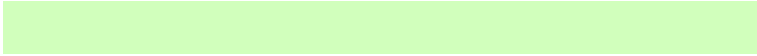
88.7061, 0.2985, 0.2674



88.7061, 0.3688, 0.3088

Sweetspot

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



88.7076, 0.3222, 0.4018



96.1968, 0.3158, 0.3492



83.6070, 0.3576, 0.3753



20.4448, 0.3163, 0.3532



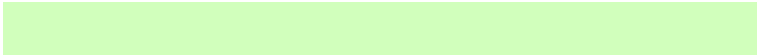
0.0000, 0.0000, 0.0000



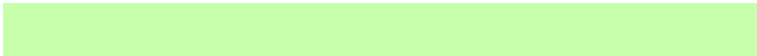
21.4041, 0.3127, 0.3290

Same Dimension

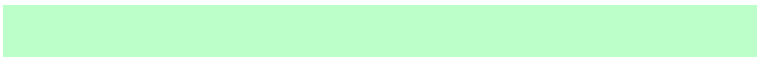
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7076, 0.3222, 0.4018



86.6977, 0.3239, 0.4198



86.3902, 0.3025, 0.3904



20.4448, 0.3163, 0.3532



38.3330, 0.3152, 0.5879



3.7876, 0.3236, 0.5813

Inverse Universe

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



60.6594, 0.2999, 0.2601



53.9811, 0.2963, 0.2442



63.6684, 0.3249, 0.2745



17.9976, 0.3087, 0.3052



8.6139, 0.2427, 0.1111



0.8969, 0.2518, 0.1161

Previews

White Background



This preview shows how the Yxy color 88.7061, 0.3222, 0.4018 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 88.7061, 0.3222, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

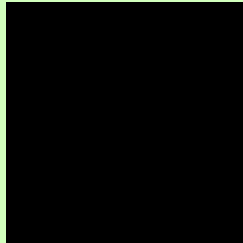
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

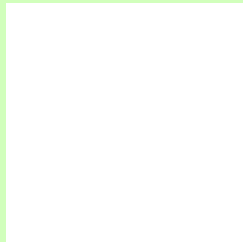
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7061, 0.3222, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 88.7061, 0.3222, 0.4018.

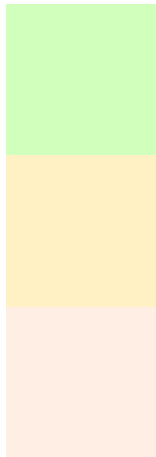


This preview shows how white text looks on a background with the Yxy color 88.7061, 0.3222, 0.4018.

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

88.7061, 0.3222, 0.4018

Protanopia

88.1561, 0.3507, 0.3740

Deuteranopia

87.9551, 0.3311, 0.3399



Tritanopia

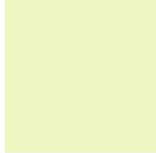
88.1442, 0.2975, 0.3169

Trichromacy



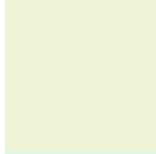
Original Color

88.7061, 0.3222, 0.4018



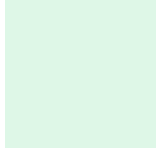
Protanomaly

87.9389, 0.3398, 0.3838



Deuteranomaly

87.6826, 0.3277, 0.3609



Tritanomaly

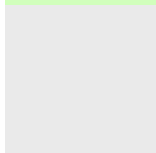
87.8206, 0.3062, 0.3456

Monochromacy



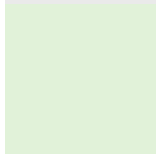
Original Color

88.7061, 0.3222, 0.4018



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5216, 0.3167, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7061, 0.3222, 0.4018 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(209, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 188)  
}
```

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(209, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 188) }
```

Border

The CSS property to change the border of an element to Yxy 88.7061, 0.3222, 0.4018 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(209, 255, 188) }
```

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

```
.border{ border-color:rgb(209, 255, 188) }
```

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

Here you see how a box with a 4 pixel rgb(209, 255, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7061, 0.3222, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 188) }
```

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

```
.background{ background-color: rgb(209,  
255, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor