

Converting Colors

$Yxy(88.6632, 0.3227, 0.4029)$

Have a look what the booklet for
Yxy(88.6632, 0.3227, 0.4029)
contains.

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Color

Yxy(88.6632, 0.3227, 0.4029)

Conversions

Conversions Part 1

Format	Color
Hex	D1FFBB
RGB	209, 255, 187
RGB Percent	82%, 100%, 73%
CMY	0.1806, 0.0000, 0.2667
CMYK	0.18, 0.00, 0.27, 0.00
HSL	101°, 100%, 87%
HSV	101°, 27%, 100%
XYZ	71.0142, 88.6632, 60.3852
YIQ	233.4940, -5.5880, -30.9000

Conversions

Conversions Part 2

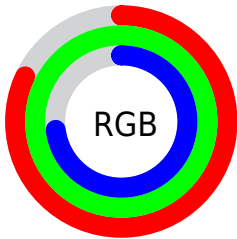
Format	Color
RYB	187, 255, 233
Decimal	13762491
CIELab	95.44, -26.64, 27.82
CIELCh	95, 38.516, 133.759
Yxy	88.6632, 0.3227, 0.4029
Android (android.graphics.Color)	4291952571 (0xFFD1FFBB)
YUV	233.4940, -22.9215, -21.4812
Hunter-Lab	94.1611, -30.1614, 27.8904

Details

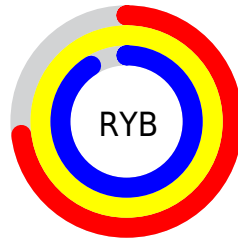
The Yxy color **88.6632, 0.3227, 0.4029** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.0942, 0.2992, 0.2589**, and the grayscale version is **82.0449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **48.9516, 0.3245, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **85.2763, 0.3256, 0.4346**, and if you desaturate by 10%, it is **92.5035, 0.3192, 0.3731**.

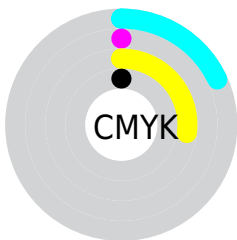
Distribution



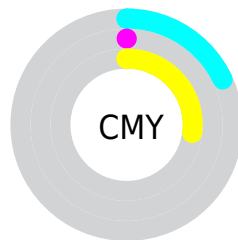
- Red (82%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (91%)



- Cyan (18%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6632, 0.3227, 0.4029 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 88.6632, 0.3227, 0.4029 by changing the saturation by 10% instead.


 88.6632, 0.3227,
0.4029

 88.6632, 0.3227,
0.4029

523.6726, 0.3190,
0.3686

 66.8724, 0.3233,
0.4107


 145.4801, 0.3216,
0.3910

 48.9810, 0.3239,
0.4204


181.2751, 0.3211,
0.3863

 34.6044, 0.3245,
0.4326


222.5069, 0.3207,
0.3824

 23.3583, 0.3249,
0.4485

269.5600, 0.3203,
0.3789

 14.8583, 0.3250,
0.4699

322.8187, 0.3200,
0.3758

 8.7200, 0.3238,
0.5001

382.6674, 0.3196,

 4.5590, 0.3193,

0.3731

0.5454

449.4906, 0.3193,
0.3707

■ 1.9909, 0.3302,
0.6698

■ 0.6022, 0.0000,
1.0000

■ 88.6632, 0.3227,
0.4029

■ 88.6632, 0.3227,
0.4029

■ 85.2763, 0.3256,
0.4346

■ 92.5035, 0.3192,
0.3731

■ 82.3442, 0.3277,
0.4672

■ 96.8352, 0.3153,
0.3457

■ 79.8397, 0.3285,
0.4993

100.0000, 0.3127,
0.3290

■ 77.7409, 0.3279,
0.5289

■ 76.0233, 0.3256,
0.5540

■ 74.6595, 0.3217,
0.5730

■ 73.6169, 0.3167,
0.5851

■ 73.3280, 0.3149,
0.5881

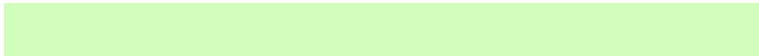
Harmonies

Analogous

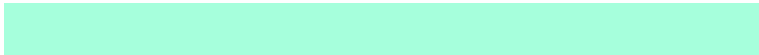
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6632, 0.3638, 0.4056



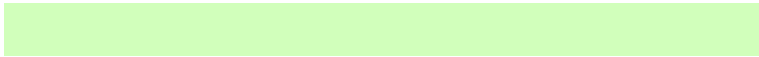
88.6632, 0.3227, 0.4029



88.6632, 0.2806, 0.3755

Triad

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



88.6632, 0.3227, 0.4029



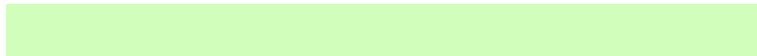
88.6632, 0.2378, 0.2678



88.6632, 0.3802, 0.3194

Complementary

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



88.6632, 0.3227, 0.4029



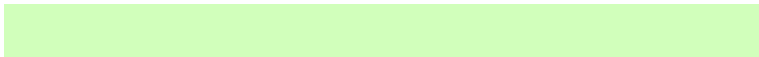
60.0942, 0.2992, 0.2589

Split Complementary

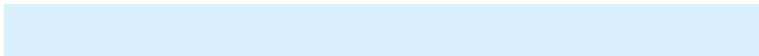
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6632, 0.3422, 0.2882



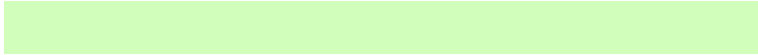
88.6632, 0.3227, 0.4029



88.6632, 0.2604, 0.2589

Square

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



88.6632, 0.3227, 0.4029



88.6632, 0.2336, 0.2939



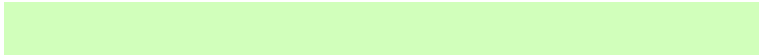
88.6632, 0.2979, 0.2666



88.6632, 0.3989, 0.3545

Rectangle

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



88.6632, 0.3227, 0.4029



88.6632, 0.2577, 0.3481



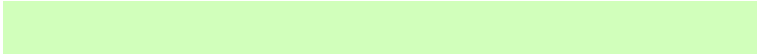
88.6632, 0.2979, 0.2666



88.6632, 0.3691, 0.3083

Sweetspot

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



88.6565, 0.3227, 0.4029



96.2284, 0.3159, 0.3492



82.7497, 0.3586, 0.3749



20.4527, 0.3165, 0.3532



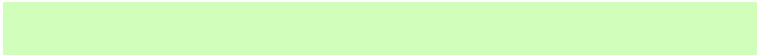
0.0000, 0.0000, 0.0000



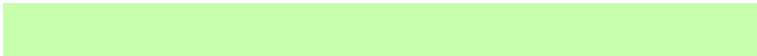
21.4041, 0.3127, 0.3290

Same Dimension

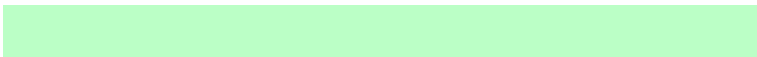
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6565, 0.3227, 0.4029



86.7963, 0.3244, 0.4196



86.1780, 0.3030, 0.3927



20.4527, 0.3165, 0.3532



38.3864, 0.3160, 0.5873



3.7935, 0.3244, 0.5806

Inverse Universe

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



60.0942, 0.2992, 0.2589



53.8628, 0.2958, 0.2441



63.3135, 0.3243, 0.2727



17.9893, 0.3086, 0.3052



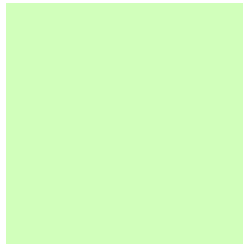
8.4801, 0.2407, 0.1099



0.8846, 0.2499, 0.1150

Previews

White Background



This preview shows how the Yxy color 88.6632, 0.3227, 0.4029 looks on a white background.

Color Contrast Check

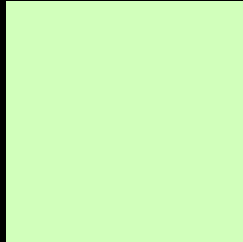
Large Text (above 18pt) WCAG AA × Fail

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 88.6632, 0.3227, 0.4029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

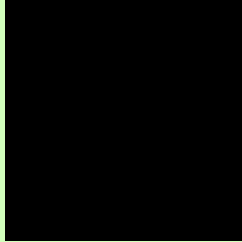
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

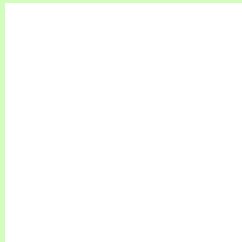
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6632, 0.3227, 0.4029

Background



This preview shows how black text looks on a background with the Yxy color 88.6632, 0.3227, 0.4029.

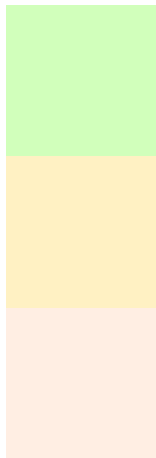


This preview shows how white text looks on a background with the Yxy color 88.6632, 0.3227, 0.4029.

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

88.6632, 0.3227, 0.4029

Protanopia

88.1107, 0.3513, 0.3750

Deuteranopia

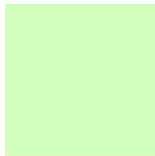
87.9551, 0.3311, 0.3399



Tritanopia

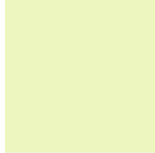
88.1442, 0.2975, 0.3169

Trichromacy



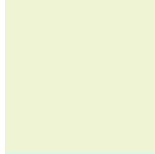
Original Color

88.6632, 0.3227, 0.4029



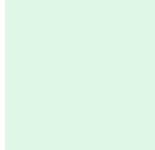
Protanomaly

87.8944, 0.3404, 0.3849



Deuteranomaly

87.6320, 0.3283, 0.3619



Tritanomaly

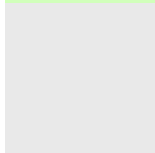
87.7643, 0.3068, 0.3467

Monochromacy



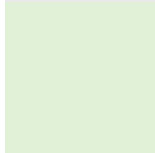
Original Color

88.6632, 0.3227, 0.4029



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.7158, 0.3167, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6632, 0.3227, 0.4029 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 88.6632, 0.3227, 0.4029 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, 187) }
```

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

```
.border{ border-color:rgb(209, 255, 187) }
```

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, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6632, 0.3227, 0.4029 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, 187) }
```

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

```
.background{ background-color: rgb(209,  
255, 187) }
```

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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