

Converting Colors

$Yxy(88.7801, 0.3406, 0.4275)$

Have a look what the booklet for
Yxy(88.7801, 0.3406, 0.4275)
contains.

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Color

Yxy(88.7633, 0.3407, 0.4278)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFA3
RGB	216, 255, 163
RGB Percent	85%, 100%, 64%
CMY	0.1528, 0.0000, 0.3610
CMYK	0.15, 0.00, 0.36, 0.00
HSL	85°, 100%, 82%
HSV	85°, 36%, 100%
XYZ	70.6911, 88.7633, 48.0334
YIQ	232.8510, 6.2880, -36.8800

Conversions

Conversions Part 2

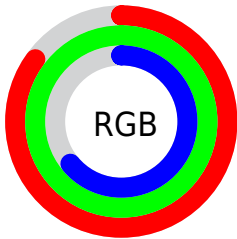
Format	Color
RYB	163, 255, 202
Decimal	14221219
CIELab	95.48, -27.51, 39.96
CIELCh	95, 48.513, 124.544
Yxy	88.7633, 0.3407, 0.4278
Android (android.graphics.Color)	4292411299 (0xFFD8FFA3)
YUV	232.8510, -34.4365, -14.7783
Hunter-Lab	94.2143, -30.9424, 35.7221

Details

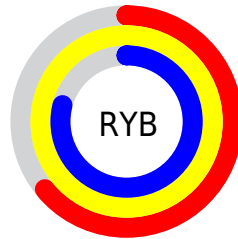
The Yxy color **88.7633, 0.3407, 0.4278** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.9437, 0.2747, 0.2275**, and the grayscale version is **81.6285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **48.9875, 0.3450, 0.4506** is the 20% darker color. If you saturate the color by 10%, you get **86.3504, 0.3469, 0.4570**, and if you desaturate by 10%, it is **91.4721, 0.3335, 0.3987**.

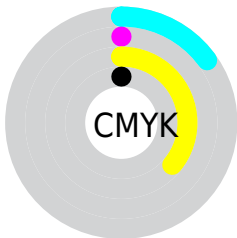
Distribution



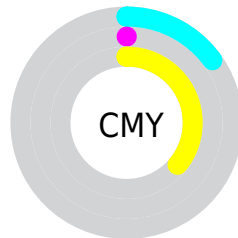
- Red (85%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (79%)



- Cyan (15%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.7633, 0.3407, 0.4278 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 88.7633, 0.3407, 0.4278 by changing the saturation by 10% instead.


 88.7633, 0.3407,
0.4278

 88.7633, 0.3407,
0.4278

523.9997, 0.3297,
0.3820

 66.9554, 0.3427,
0.4381


 145.6194, 0.3373,
0.4120

 49.0484, 0.3449,
0.4508


 181.4363, 0.3358,
0.4058

 34.6579, 0.3472,
0.4666


222.6917, 0.3345,
0.4005

 23.3994, 0.3495,
0.4869

269.7700, 0.3334,
0.3958

 14.8887, 0.3513,
0.5135

323.0555, 0.3323,
0.3918

 8.7413, 0.3511,
0.5495


382.9327, 0.3314,


 4.5728, 0.3518,


0.3881


0.6110


449.7860, 0.3305,
0.3849


 1.9989, 0.3251,
0.6749


 0.6068, 0.0000,
1.0000


 88.7633, 0.3407,
0.4278


 88.7633, 0.3407,
0.4278


 86.3504, 0.3469,
0.4570


 91.4721, 0.3335,
0.3987

 84.2148, 0.3516,
0.4851

 94.4837, 0.3256,
0.3706

 82.3439, 0.3543,
0.5106

 97.8113, 0.3176,
0.3442

 80.7216, 0.3547,
0.5322

100.0000, 0.3127,
0.3290

■ 79.3291, 0.3526,
0.5488

■ 78.1439, 0.3484,
0.5599

■ 77.7252, 0.3463,
0.5632

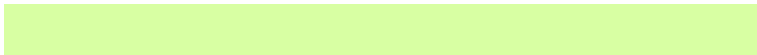
Harmonies

Analogous

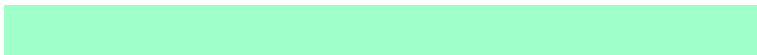
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7633, 0.3892, 0.4194



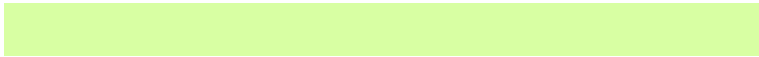
88.7633, 0.3407, 0.4278



88.7633, 0.2871, 0.4024

Triad

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



88.7633, 0.3407, 0.4278



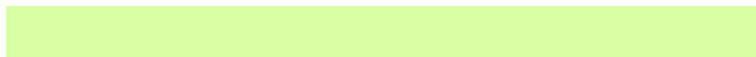
88.7633, 0.2162, 0.2599



88.7633, 0.3849, 0.3038

Complementary

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



88.7633, 0.3407, 0.4278



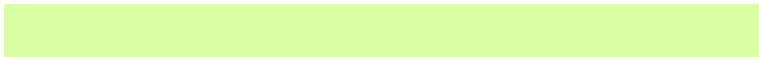
45.9437, 0.2747, 0.2275

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.



88.7633, 0.3321, 0.2690



88.7633, 0.3407, 0.4278



88.7633, 0.2370, 0.2434

Square

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



88.7633, 0.3407, 0.4278



88.7633, 0.2181, 0.2977



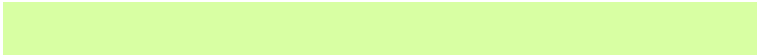
88.7633, 0.2779, 0.2474



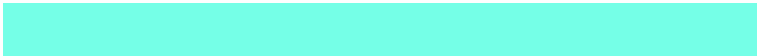
88.7633, 0.4175, 0.3457

Rectangle

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



88.7633, 0.3407, 0.4278



88.7633, 0.2558, 0.3698



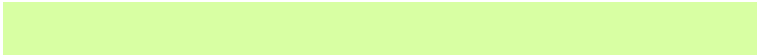
88.7633, 0.2779, 0.2474



88.7633, 0.3687, 0.2910

Sweetspot

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



88.7651, 0.3407, 0.4278



96.1398, 0.3216, 0.3569



65.8182, 0.3858, 0.3691



20.4819, 0.3226, 0.3605



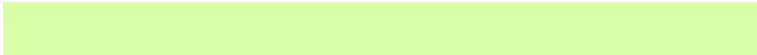
0.0000, 0.0000, 0.0000



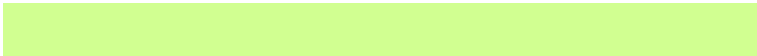
21.4041, 0.3127, 0.3290

Same Dimension

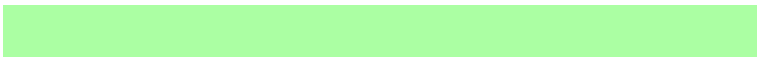
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7651, 0.3407, 0.4278



87.0678, 0.3451, 0.4480



82.7781, 0.3120, 0.4372



20.6852, 0.3203, 0.3529



40.7029, 0.3474, 0.5623



4.0275, 0.3553, 0.5561

Inverse Universe

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



45.9437, 0.2747, 0.2275



38.7557, 0.2653, 0.2060



53.2312, 0.3107, 0.2376



17.7536, 0.3045, 0.3049



5.5212, 0.1881, 0.0810



0.6003, 0.2007, 0.0879

Previews

White Background



This preview shows how the Yxy color 88.7633, 0.3407, 0.4278 looks on a white background.

Color Contrast Check

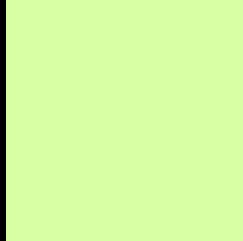
Large Text (above 18pt) WCAG AA × Fail

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 88.7633, 0.3407, 0.4278 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

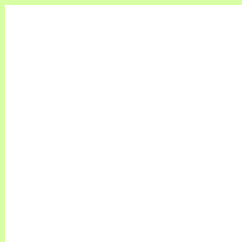
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7633, 0.3407, 0.4278

Background



This preview shows how black text looks on a background with the Yxy color 88.7633, 0.3407, 0.4278.

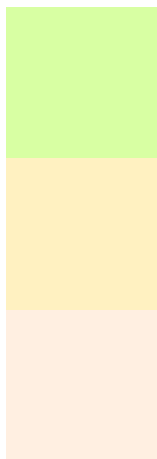


This preview shows how white text looks on a background with the Yxy color 88.7633, 0.3407, 0.4278.

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

88.7633, 0.3407, 0.4278

Protanopia

88.0208, 0.3526, 0.3771

Deuteranopia

88.4292, 0.3323, 0.3429



Tritanopia

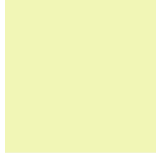
88.2167, 0.2999, 0.3160

Trichromacy



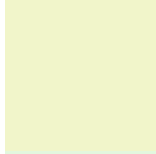
Original Color

88.7633, 0.3407, 0.4278



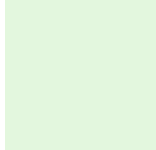
Protanomaly

87.9897, 0.3486, 0.3949



Deuteranomaly

88.2699, 0.3364, 0.3731



Tritanomaly

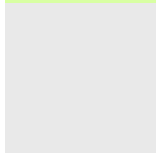
88.1263, 0.3147, 0.3550

Monochromacy



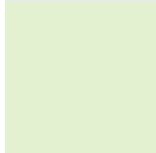
Original Color

88.7633, 0.3407, 0.4278



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.7956, 0.3237, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7633, 0.3407, 0.4278 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(216, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 163)  
}
```

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(216, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 88.7633, 0.3407, 0.4278 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(216, 255, 163) }
```

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

```
.border{ border-color:rgb(216, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7633, 0.3407, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 163) }
```

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

```
.background{ background-color: rgb(216,  
255, 163) }
```

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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