

Converting Colors

$Y_{xy}(122.0804, 0.3265, 0.4568)$

Have a look what the booklet for
Yxy(122.0804, 0.3265, 0.4568)
contains.

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Color

Yxy(88.6447, 0.3337, 0.4187)

Conversions

Conversions Part 1

Format	Color
Hex	D5FFAC
RGB	213, 255, 172
RGB Percent	84%, 100%, 67%
CMY	0.1647, 0.0000, 0.3254
CMYK	0.16, 0.00, 0.33, 0.00
HSL	90°, 100%, 84%
HSV	90°, 33%, 100%
XYZ	70.6490, 88.6447, 52.4204
YIQ	232.9800, 1.6110, -34.7170

Conversions

Conversions Part 2

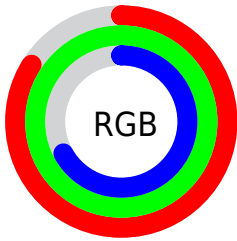
Format	Color
RYB	172, 255, 214
Decimal	14024620
CIELab	95.43, -27.38, 35.37
CIELCh	95, 44.734, 127.746
Yxy	88.6447, 0.3337, 0.4187
Android (android.graphics.Color)	4292214700 (0xFFD5FFAC)
YUV	232.9800, -30.0631, -17.5225
Hunter-Lab	94.1513, -30.8225, 32.8952

Details

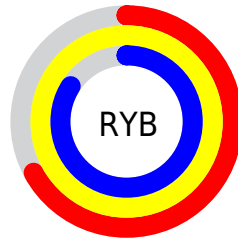
The Yxy color **88.6447, 0.3337, 0.4187** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.0259, 0.2844, 0.2398**, and the grayscale version is **81.7012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **48.8882, 0.3365, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **85.9049, 0.3389, 0.4490**, and if you desaturate by 10%, it is **91.7289, 0.3276, 0.3891**.

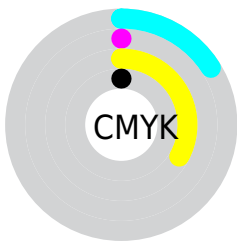
Distribution



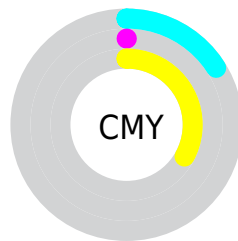
- Red (84%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (84%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6447, 0.3337, 0.4187 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 88.6447, 0.3337, 0.4187 by changing the saturation by 10% instead.


 88.6447, 0.3337,
0.4187

 88.6447, 0.3337,
0.4187


523.6122, 0.3255,
0.3770

 66.8571, 0.3352,
0.4282


 145.4544, 0.3312,
0.4043

 48.9685, 0.3368,
0.4398


181.2453, 0.3301,
0.3987

 34.5945, 0.3385,
0.4544


222.4727, 0.3291,
0.3938

 23.3507, 0.3401,
0.4732

269.5211, 0.3283,
0.3896

 14.8527, 0.3414,
0.4983

322.7749, 0.3275,
0.3859

 8.7160, 0.3410,
0.5329

382.6184, 0.3268,

 4.5564, 0.3380,

0.3826

0.5859

449.4360, 0.3261,
0.3797

■ 1.9894, 0.3256,
0.6744

■ 0.6013, 0.0000,
1.0000

■ 88.6447, 0.3337,
0.4187

■ 88.6447, 0.3337,
0.4187

■ 85.9049, 0.3389,
0.4490

■ 91.7289, 0.3276,
0.3891

■ 83.4909, 0.3428,
0.4790

■ 95.1665, 0.3211,
0.3611

■ 81.3884, 0.3450,
0.5071

■ 98.9716, 0.3144,
0.3352

■ 79.5805, 0.3451,
0.5317

100.0000, 0.3127,
0.3290

■ 78.0475, 0.3429,
0.5515

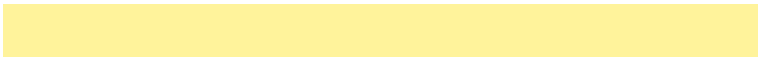
■ 76.7669, 0.3386,
0.5655

■ 75.9532, 0.3344,
0.5726

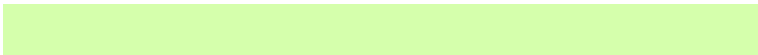
Harmonies

Analogous

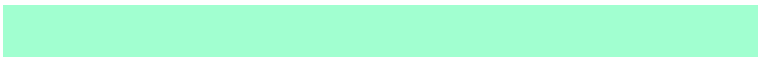
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6447, 0.3796, 0.4148



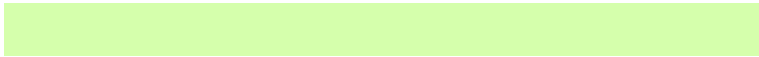
88.6447, 0.3337, 0.4187



88.6447, 0.2843, 0.3920

Triad

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



88.6447, 0.3337, 0.4187



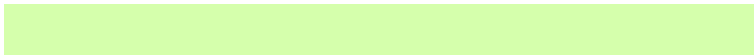
88.6447, 0.2241, 0.2626



88.6447, 0.3837, 0.3098

Complementary

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



88.6447, 0.3337, 0.4187



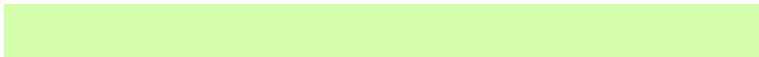
51.0259, 0.2844, 0.2398

Split Complementary

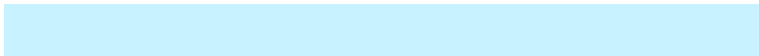
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6447, 0.3364, 0.2762



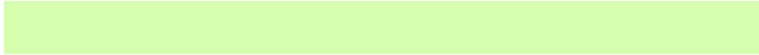
88.6447, 0.3337, 0.4187



88.6447, 0.2457, 0.2490

Square

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



88.6447, 0.3337, 0.4187



88.6447, 0.2236, 0.2959



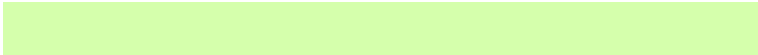
88.6447, 0.2856, 0.2544



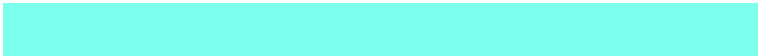
88.6447, 0.4109, 0.3493

Rectangle

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



88.6447, 0.3337, 0.4187



88.6447, 0.2561, 0.3612



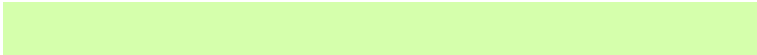
88.6447, 0.2856, 0.2544



88.6447, 0.3694, 0.2976

Sweetspot

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



88.6462, 0.3337, 0.4187



96.0995, 0.3194, 0.3543



72.0821, 0.3746, 0.3719



20.4583, 0.3203, 0.3581



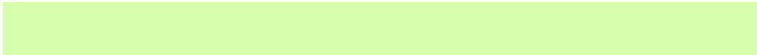
0.0000, 0.0000, 0.0000



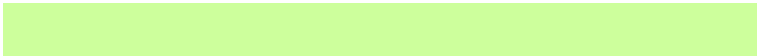
21.4041, 0.3127, 0.3290

Same Dimension

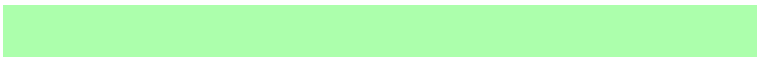
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6462, 0.3337, 0.4187



86.8384, 0.3372, 0.4383



83.2709, 0.3082, 0.4261



20.6087, 0.3191, 0.3530



39.7757, 0.3356, 0.5717



3.9377, 0.3442, 0.5649

Inverse Universe

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



51.0259, 0.2844, 0.2398



43.9497, 0.2772, 0.2204



57.9892, 0.3165, 0.2479



17.8294, 0.3058, 0.3050



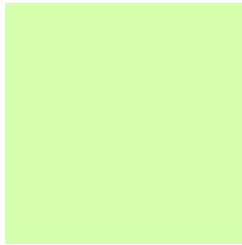
6.3016, 0.2033, 0.0893



0.6785, 0.2154, 0.0960

Previews

White Background



This preview shows how the Yxy color 88.6447, 0.3337, 0.4187 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 88.6447, 0.3337, 0.4187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

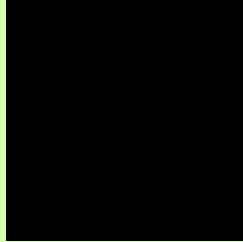
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

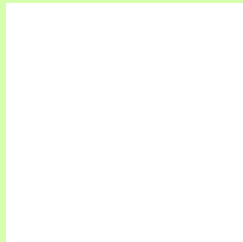
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6447, 0.3337, 0.4187

Background



This preview shows how black text looks on a background with the Yxy color 88.6447, 0.3337, 0.4187.

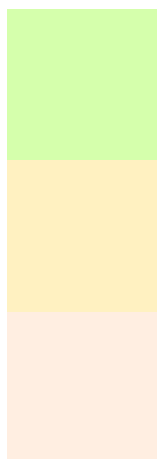


This preview shows how white text looks on a background with the Yxy color 88.6447, 0.3337, 0.4187.

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

88.6447, 0.3337, 0.4187

Protanopia

88.0208, 0.3526, 0.3771

Deuteranopia

87.8453, 0.3324, 0.3419



Tritanopia

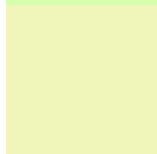
88.4770, 0.2987, 0.3170

Trichromacy



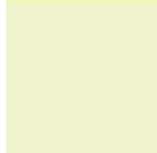
Original Color

88.6447, 0.3337, 0.4187



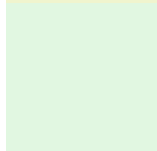
Protanomaly

87.9396, 0.3461, 0.3919



Deuteranomaly

87.6829, 0.3334, 0.3680



Tritanomaly

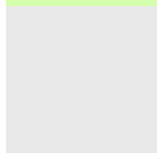
87.9653, 0.3116, 0.3519

Monochromacy



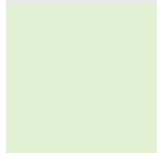
Original Color

88.6447, 0.3337, 0.4187



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.7825, 0.3211, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6447, 0.3337, 0.4187 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(213, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 172)  
}
```

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(213, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 88.6447, 0.3337, 0.4187 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(213, 255, 172) }
```

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

```
.border{ border-color:rgb(213, 255, 172) }
```

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

Here you see how a box with a 4 pixel rgb(213, 255, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6447, 0.3337, 0.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 172) }
```

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

```
.background{ background-color: rgb(213,  
255, 172) }
```

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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