

Converting Colors

$Yxy(88.7662, 0.3340, 0.4181)$

Have a look what the booklet for
Yxy(88.7662, 0.3340, 0.4181)
contains.

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Color

Yxy(88.7947, 0.3344, 0.4185)

Conversions

Conversions Part 1

Format	Color
Hex	D6FFAC
RGB	214, 255, 172
RGB Percent	84%, 100%, 67%
CMY	0.1605, 0.0000, 0.3255
CMYK	0.16, 0.00, 0.33, 0.00
HSL	90°, 100%, 84%
HSV	90°, 33%, 100%
XYZ	70.9509, 88.7947, 52.4281
YIQ	233.2790, 2.2070, -34.5050

Conversions

Conversions Part 2

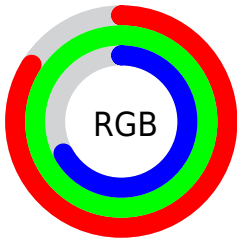
Format	Color
RYB	172, 255, 213
Decimal	14090156
CIELab	95.49, -27.01, 35.47
CIELCh	95, 44.587, 127.287
Yxy	88.7947, 0.3344, 0.4185
Android (android.graphics.Color)	4292280236 (0xFFD6FFAC)
YUV	233.2790, -30.2105, -16.9077
Hunter-Lab	94.2309, -30.5031, 32.9739

Details

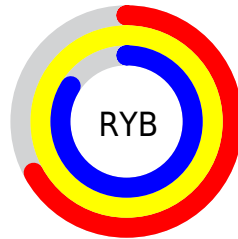
The Yxy color **88.7947, 0.3344, 0.4185** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.8604, 0.2836, 0.2395**, and the grayscale version is **81.9473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **48.9892, 0.3373, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **86.0905, 0.3398, 0.4487**, and if you desaturate by 10%, it is **91.8408, 0.3281, 0.3890**.

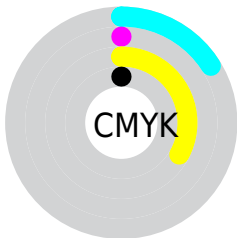
Distribution



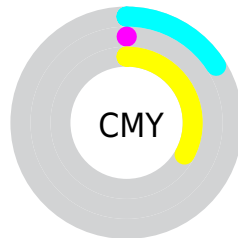
- Red (84%)
- Green (100%)
- Blue (67%)



- 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 88.7947, 0.3344, 0.4185 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 88.7947, 0.3344, 0.4185 by changing the saturation by 10% instead.

 88.7947, 0.3344,
0.4185

 88.7947, 0.3344,
0.4185

524.1022, 0.3259,
0.3770

 66.9814, 0.3359,
0.4279


 145.6630, 0.3318,
0.4041

 49.0695, 0.3376,
0.4395


181.4869, 0.3307,
0.3985

 34.6746, 0.3395,
0.4540


222.7497, 0.3297,
0.3937

 23.4123, 0.3413,
0.4728

269.8359, 0.3287,
0.3895

 14.8983, 0.3427,
0.4977

323.1298, 0.3279,
0.3858

 8.7480, 0.3426,
0.5320

383.0159, 0.3272,

 4.5772, 0.3399,

0.3825

0.5844

449.8786, 0.3265,
0.3796

2.0014, 0.3282,
0.6718

0.6083, 0.0000,
1.0000

88.7947, 0.3344,
0.4185

88.7947, 0.3344,
0.4185

86.0905, 0.3398,
0.4487

91.8408, 0.3281,
0.3890

83.7024, 0.3439,
0.4784

95.2301, 0.3214,
0.3611

81.6191, 0.3463,
0.5063

98.9790, 0.3145,
0.3352

79.8236, 0.3466,
0.5307

99.9947, 0.3127,
0.3290

■ 78.2970, 0.3445,
0.5503

■ 77.0168, 0.3403,
0.5642

■ 76.2000, 0.3362,
0.5713

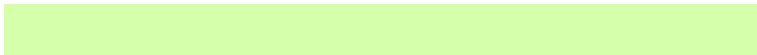
Harmonies

Analogous

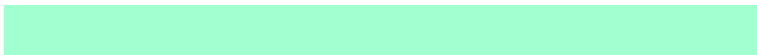
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7947, 0.3800, 0.4142



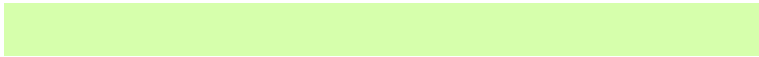
88.7947, 0.3344, 0.4185



88.7947, 0.2852, 0.3924

Triad

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



88.7947, 0.3344, 0.4185



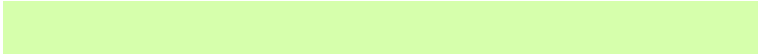
88.7947, 0.2242, 0.2632



88.7947, 0.3828, 0.3093

Complementary

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



88.7947, 0.3344, 0.4185



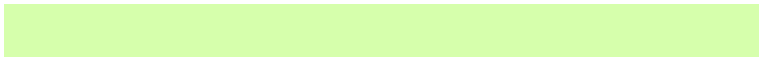
50.8604, 0.2836, 0.2395

Split Complementary

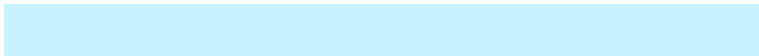
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7947, 0.3355, 0.2759



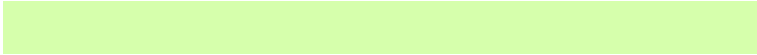
88.7947, 0.3344, 0.4185



88.7947, 0.2454, 0.2493

Square

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



88.7947, 0.3344, 0.4185



88.7947, 0.2240, 0.2967



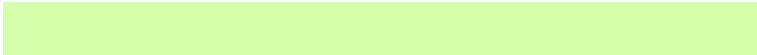
88.7947, 0.2850, 0.2545



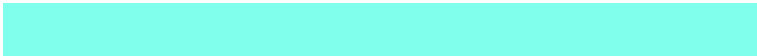
88.7947, 0.4103, 0.3487

Rectangle

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



88.7947, 0.3344, 0.4185



88.7947, 0.2569, 0.3619



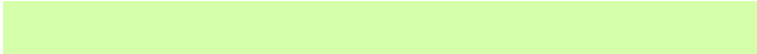
88.7947, 0.2850, 0.2545



88.7947, 0.3685, 0.2972

Sweetspot

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



88.7986, 0.3344, 0.4185



96.1574, 0.3196, 0.3543



71.3803, 0.3751, 0.3705



20.4723, 0.3206, 0.3581



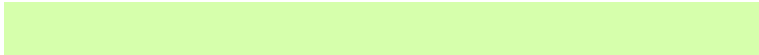
0.0000, 0.0000, 0.0000



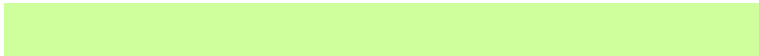
21.4041, 0.3127, 0.3290

Same Dimension

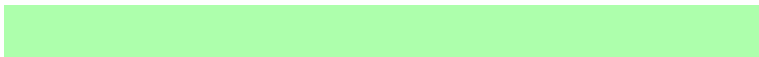
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7986, 0.3344, 0.4185



87.0201, 0.3380, 0.4380



83.4212, 0.3090, 0.4259



20.6205, 0.3193, 0.3530



39.9081, 0.3374, 0.5703



3.9507, 0.3459, 0.5636

Inverse Universe

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



50.8604, 0.2836, 0.2395



43.7682, 0.2762, 0.2201



57.7216, 0.3154, 0.2476



17.8176, 0.3056, 0.3050



6.1694, 0.2008, 0.0880



0.6655, 0.2131, 0.0947

Previews

White Background



This preview shows how the Yxy color 88.7947, 0.3344, 0.4185 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 88.7947, 0.3344, 0.4185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

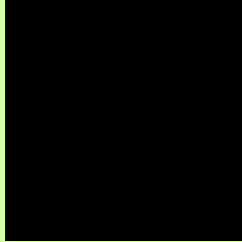
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

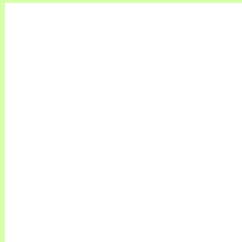
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7947, 0.3344, 0.4185

Background



This preview shows how black text looks on a background with the Yxy color 88.7947, 0.3344, 0.4185.

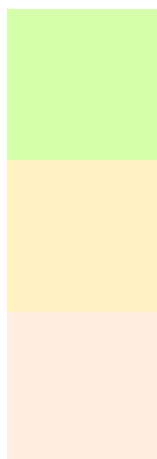


This preview shows how white text looks on a background with the Yxy color 88.7947, 0.3344, 0.4185.

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

88.7947, 0.3344, 0.4185

Protanopia

88.0656, 0.3520, 0.3760

Deuteranopia

88.4840, 0.3316, 0.3419



Tritanopia

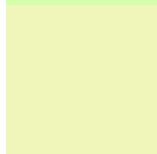
88.6448, 0.2993, 0.3170

Trichromacy



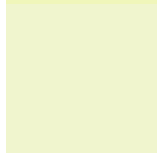
Original Color

88.7947, 0.3344, 0.4185



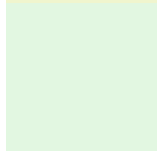
Protanomaly

87.9820, 0.3455, 0.3909



Deuteranomaly

88.2863, 0.3332, 0.3690



Tritanomaly

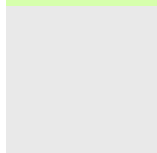
88.1265, 0.3123, 0.3519

Monochromacy



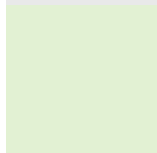
Original Color

88.7947, 0.3344, 0.4185



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 88.7947, 0.3344, 0.4185 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(214, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 88.7947, 0.3344, 0.4185 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(214, 255, 172) }
```

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

```
.border{ border-color:rgb(214, 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(214, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7947, 0.3344, 0.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 172) }
```

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

```
.background{ background-color: rgb(214,  
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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