

Converting Colors

$Y_{xy}(100.0000, 0.3295, 0.4313)$

Have a look what the booklet for
Yxy(100.0000, 0.3295, 0.4313)
contains.

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Color

Yxy(88.7221, 0.3326, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	D5FFAE
RGB	213, 255, 174
RGB Percent	84%, 100%, 68%
CMY	0.1646, 0.0000, 0.3176
CMYK	0.16, 0.00, 0.32, 0.00
HSL	91°, 100%, 84%
HSV	91°, 32%, 100%
XYZ	70.8499, 88.7221, 53.4463
YIQ	233.2080, 0.9690, -34.0950

Conversions

Conversions Part 2

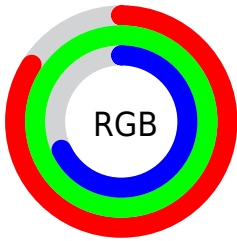
Format	Color
RYB	174, 255, 216
Decimal	14024622
CIELab	95.46, -27.10, 34.41
CIELCh	95, 43.800, 128.216
Yxy	88.7221, 0.3326, 0.4165
Android (android.graphics.Color)	4292214702 (0xFFD5FFAE)
YUV	233.2080, -29.1895, -17.7224
Hunter-Lab	94.1924, -30.5722, 32.2926

Details

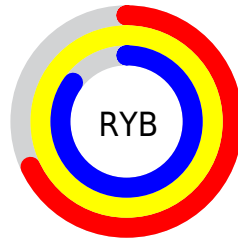
The Yxy color **88.7221, 0.3326, 0.4165** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.0976, 0.2860, 0.2423**, and the grayscale version is **81.8820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **48.9367, 0.3351, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **85.9271, 0.3377, 0.4470**, and if you desaturate by 10%, it is **91.8746, 0.3267, 0.3869**.

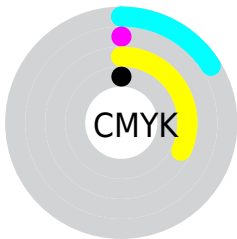
Distribution



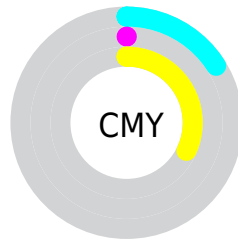
- Red (84%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (85%)



- Cyan (16%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.7221, 0.3326, 0.4165 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 88.7221, 0.3326, 0.4165 by changing the saturation by 10% instead.


 88.7221, 0.3326,
0.4165

 88.7221, 0.3326,
0.4165


523.8651, 0.3248,
0.3759

 66.9213, 0.3340,
0.4257


 145.5621, 0.3302,
0.4024

 49.0206, 0.3355,
0.4371

181.3700, 0.3292,
0.3969

 34.6358, 0.3372,
0.4514


222.6157, 0.3283,
0.3922

 23.3825, 0.3387,
0.4698

269.6836, 0.3275,
0.3881

 14.8762, 0.3399,
0.4943

322.9581, 0.3267,
0.3845

 8.7325, 0.3397,
0.5283


382.8235, 0.3260,


 4.5671, 0.3363,


0.3813

0.5795


449.6644, 0.3254,
0.3784


 1.9956, 0.3275,
0.6725


 0.6049, 0.0000,
1.0000

 88.7221, 0.3326,
0.4165


 88.7221, 0.3326,
0.4165


 85.9271, 0.3377,
0.4470

 91.8746, 0.3267,
0.3869

 83.4636, 0.3415,
0.4772

 95.3866, 0.3203,
0.3590

 81.3196, 0.3437,
0.5057

 99.2747, 0.3139,
0.3333

 79.4779, 0.3438,
0.5309

99.9975, 0.3127,
0.3290

■ 77.9189, 0.3416,
0.5513

■ 76.6197, 0.3374,
0.5659

■ 75.7179, 0.3328,
0.5739

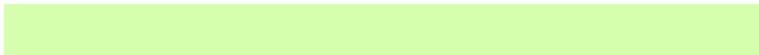
Harmonies

Analogous

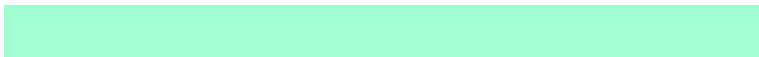
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7221, 0.3777, 0.4133



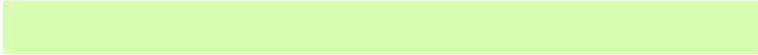
88.7221, 0.3326, 0.4165



88.7221, 0.2843, 0.3900

Triad

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



88.7221, 0.3326, 0.4165



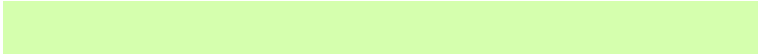
88.7221, 0.2259, 0.2636



88.7221, 0.3828, 0.3108

Complementary

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



88.7221, 0.3326, 0.4165



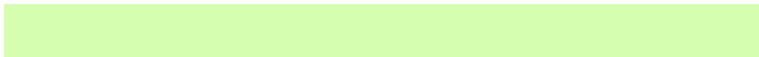
52.0976, 0.2860, 0.2423

Split Complementary

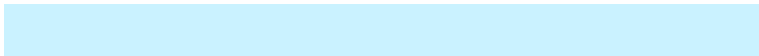
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7221, 0.3367, 0.2776



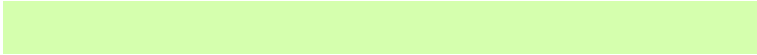
88.7221, 0.3326, 0.4165



88.7221, 0.2475, 0.2505

Square

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



88.7221, 0.3326, 0.4165



88.7221, 0.2251, 0.2960



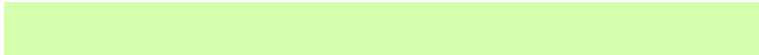
88.7221, 0.2869, 0.2561



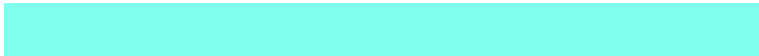
88.7221, 0.4090, 0.3497

Rectangle

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



88.7221, 0.3326, 0.4165



88.7221, 0.2567, 0.3598



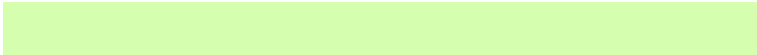
88.7221, 0.2869, 0.2561



88.7221, 0.3689, 0.2988

Sweetspot

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



88.7260, 0.3326, 0.4165



96.0445, 0.3192, 0.3544



73.3560, 0.3724, 0.3722



20.4450, 0.3201, 0.3581



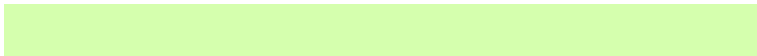
0.0000, 0.0000, 0.0000



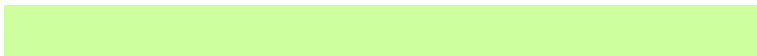
21.4041, 0.3127, 0.3290

Same Dimension

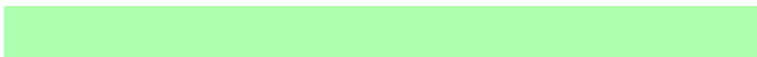
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7260, 0.3326, 0.4165



86.9408, 0.3359, 0.4355



83.6288, 0.3076, 0.4217



20.5975, 0.3189, 0.3531



39.6535, 0.3340, 0.5730



3.9256, 0.3426, 0.5661

Inverse Universe

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



52.0976, 0.2860, 0.2423



45.1633, 0.2793, 0.2237



58.6738, 0.3175, 0.2510



17.8407, 0.3060, 0.3050



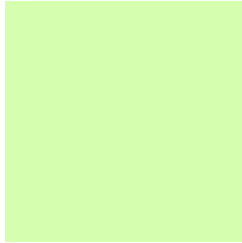
6.4312, 0.2057, 0.0907



0.6912, 0.2177, 0.0973

Previews

White Background



This preview shows how the Yxy color 88.7221, 0.3326, 0.4165 looks on a white background.

Color Contrast Check

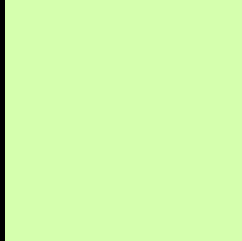
Large Text (above 18pt) WCAG AA × Fail

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 88.7221, 0.3326, 0.4165 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

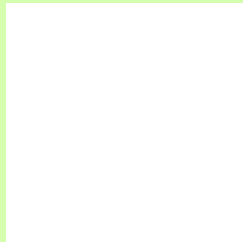
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7221, 0.3326, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 88.7221, 0.3326, 0.4165.

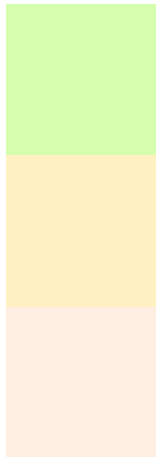


This preview shows how white text looks on a background with the Yxy color 88.7221, 0.3326, 0.4165.

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

88.7221, 0.3326, 0.4165

Protanopia

88.0656, 0.3520, 0.3760

Deuteranopia

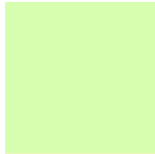
88.4840, 0.3316, 0.3419



Tritanopia

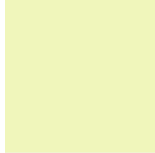
88.4770, 0.2987, 0.3170

Trichromacy



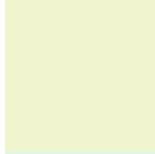
Original Color

88.7221, 0.3326, 0.4165



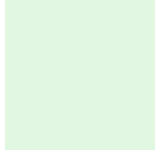
Protanomaly

88.0247, 0.3448, 0.3899



Deuteranomaly

88.3351, 0.3326, 0.3680



Tritanomaly

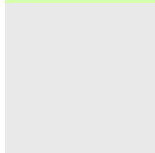
88.0201, 0.3111, 0.3508

Monochromacy



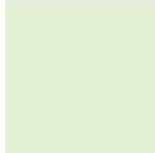
Original Color

88.7221, 0.3326, 0.4165



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.8328, 0.3205, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7221, 0.3326, 0.4165 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 174) }
```

Border

The CSS property to change the border of an element to Yxy 88.7221, 0.3326, 0.4165 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, 174) }
```

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

```
.border{ border-color:rgb(213, 255, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7221, 0.3326, 0.4165 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, 174) }
```

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

```
.background{ background-color: rgb(213,  
255, 174) }
```

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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