

Converting Colors

$Y_{xy}(145.8093, 0.3214, 0.4670)$

Have a look what the booklet for
Yxy(145.8093, 0.3214, 0.4670)
contains.

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Color

Yxy(89.2624, 0.3305, 0.4097)

Conversions

Conversions Part 1

Format	Color
Hex	D7FFB4
RGB	215, 255, 180
RGB Percent	84%, 100%, 71%
CMY	0.1571, 0.0000, 0.2942
CMYK	0.16, 0.00, 0.29, 0.00
HSL	92°, 100%, 85%
HSV	92°, 29%, 100%
XYZ	72.0069, 89.2624, 56.6033
YIQ	234.4900, 0.2350, -31.8050

Conversions

Conversions Part 2

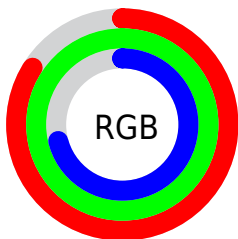
Format	Color
RYB	180, 255, 220
Decimal	14155700
CIELab	95.69, -25.61, 31.75
CIELCh	96, 40.798, 128.891
Yxy	89.2624, 0.3305, 0.4097
Android (android.graphics.Color)	4292345780 (0xFFD7FFB4)
YUV	234.4900, -26.8636, -17.0927
Hunter-Lab	94.4788, -29.2943, 30.6138

Details

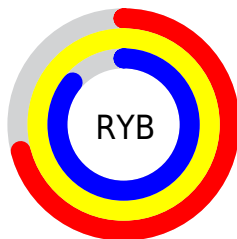
The Yxy color **89.2624, 0.3305, 0.4097** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.0780, 0.2893, 0.2494**, and the grayscale version is **82.8601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **49.2914, 0.3327, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **86.3308, 0.3355, 0.4402**, and if you desaturate by 10%, it is **92.5360, 0.3247, 0.3803**.

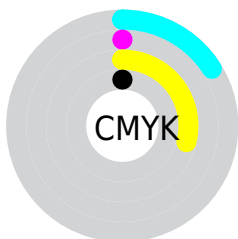
Distribution



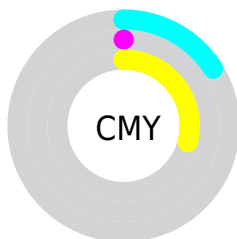
- Red (84%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (86%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2624, 0.3305, 0.4097 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 89.2624, 0.3305, 0.4097 by changing the saturation by 10% instead.

 89.2624, 0.3305,
0.4097

 89.2624, 0.3305,
0.4097

525.6285, 0.3235,
0.3723

 67.3690, 0.3318,
0.4182


 146.3134, 0.3283,
0.3968

 49.3846, 0.3332,
0.4286


182.2399, 0.3274,
0.3917

 34.9247, 0.3347,
0.4418


223.6128, 0.3266,
0.3874

 23.6048, 0.3363,
0.4587

270.8166, 0.3258,
0.3836

 15.0408, 0.3377,
0.4814

324.2357, 0.3252,
0.3803

 8.8480, 0.3380,
0.5130


384.2544, 0.3246,


 4.6422, 0.3351,


0.3773


0.5593


451.2573, 0.3240,
0.3747


 2.0389, 0.3376,
0.6624

 0.6299, 0.0000,
1.0000


 89.2624, 0.3305,
0.4097


 89.2624, 0.3305,
0.4097


 86.3308, 0.3355,
0.4402


 92.5360, 0.3247,
0.3803


 83.7578, 0.3395,
0.4708


 96.1964, 0.3186,
0.3528


 81.5170, 0.3418,
0.5002


 100.0000, 0.3127,
0.3290

 79.5912, 0.3422,
0.5265

 77.9610, 0.3404,
0.5484

 76.6040, 0.3366,
0.5646

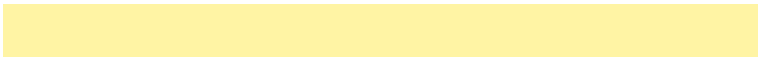
 75.4883, 0.3311,
0.5751

 75.4290, 0.3307,
0.5756

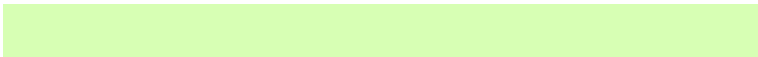
Harmonies

Analogous

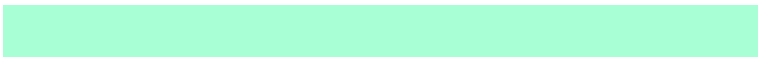
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2624, 0.3726, 0.4079



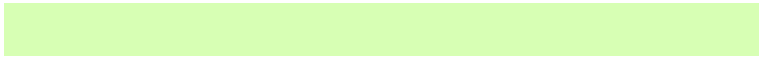
89.2624, 0.3305, 0.4097



89.2624, 0.2855, 0.3845

Triad

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



89.2624, 0.3305, 0.4097



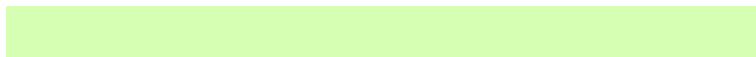
89.2624, 0.2318, 0.2676



89.2624, 0.3786, 0.3130

Complementary

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



89.2624, 0.3305, 0.4097



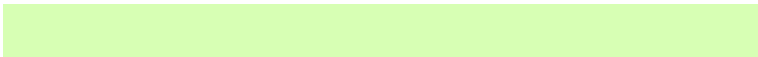
55.0780, 0.2893, 0.2494

Split Complementary

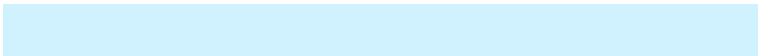
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2624, 0.3362, 0.2816



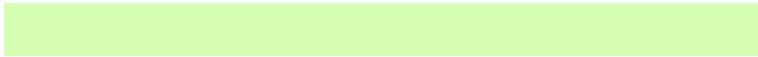
89.2624, 0.3305, 0.4097



89.2624, 0.2525, 0.2555

Square

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



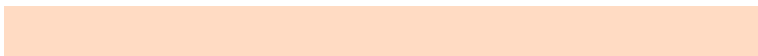
89.2624, 0.3305, 0.4097



89.2624, 0.2306, 0.2978



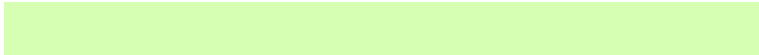
89.2624, 0.2898, 0.2610



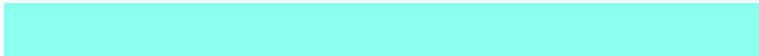
89.2624, 0.4024, 0.3496

Rectangle

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



89.2624, 0.3305, 0.4097



89.2624, 0.2599, 0.3566



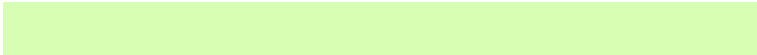
89.2624, 0.2898, 0.2610



89.2624, 0.3659, 0.3016

Sweetspot

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



89.2520, 0.3305, 0.4097



96.3581, 0.3183, 0.3517



75.7365, 0.3668, 0.3701



20.5050, 0.3192, 0.3556



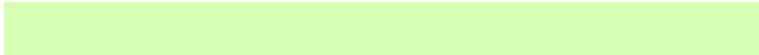
0.0000, 0.0000, 0.0000



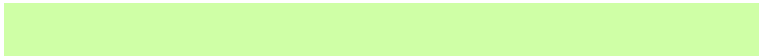
21.4041, 0.3127, 0.3290

Same Dimension

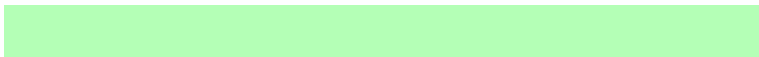
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2520, 0.3305, 0.4097



87.5778, 0.3334, 0.4266



84.6185, 0.3073, 0.4123



20.5829, 0.3186, 0.3531



39.5002, 0.3319, 0.5746



3.9102, 0.3406, 0.5677

Inverse Universe

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



55.0780, 0.2893, 0.2494



48.6098, 0.2837, 0.2329



60.9552, 0.3180, 0.2578



17.8554, 0.3063, 0.3050



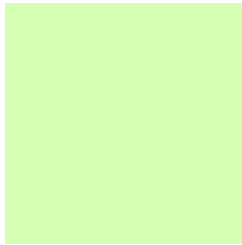
6.6054, 0.2089, 0.0924



0.7082, 0.2208, 0.0990

Previews

White Background



This preview shows how the Yxy color 89.2624, 0.3305, 0.4097 looks on a white background.

Color Contrast Check

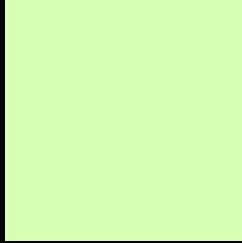
Large Text (above 18pt) WCAG AA × Fail

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 89.2624, 0.3305, 0.4097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

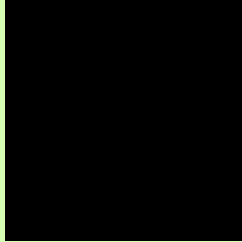
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

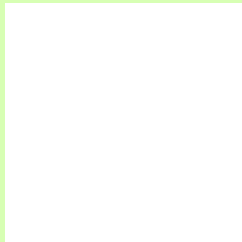
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2624, 0.3305, 0.4097

Background



This preview shows how black text looks on a background with the Yxy color 89.2624, 0.3305, 0.4097.

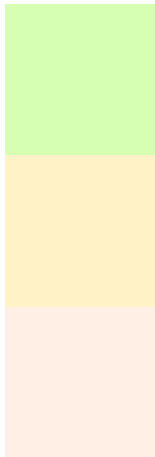


This preview shows how white text looks on a background with the Yxy color 89.2624, 0.3305, 0.4097.

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

89.2624, 0.3305, 0.4097

Protanopia

88.8415, 0.3492, 0.3729

Deuteranopia

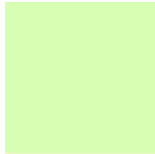
88.5944, 0.3303, 0.3399



Tritanopia

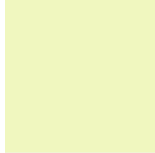
88.8136, 0.2999, 0.3170

Trichromacy



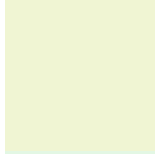
Original Color

89.2624, 0.3305, 0.4097



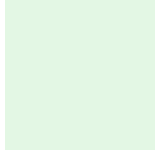
Protanomaly

88.8084, 0.3422, 0.3866



Deuteranomaly

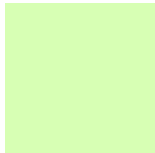
88.5332, 0.3301, 0.3638



Tritanomaly

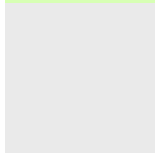
88.4539, 0.3112, 0.3486

Monochromacy



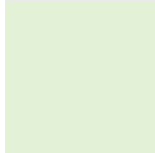
Original Color

89.2624, 0.3305, 0.4097



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.6902, 0.3199, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2624, 0.3305, 0.4097 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(215, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 180)  
}
```

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(215, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 180) }
```

Border

The CSS property to change the border of an element to Yxy 89.2624, 0.3305, 0.4097 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(215, 255, 180) }
```

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

```
.border{ border-color:rgb(215, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2624, 0.3305, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 180) }
```

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

```
.background{ background-color: rgb(215,  
255, 180) }
```

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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