

Converting Colors

$Yxy(99.5153, 0.3305, 0.4216)$

Have a look what the booklet for
Yxy(99.5153, 0.3305, 0.4216)
contains.

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Color

Yxy(89.8754, 0.3331, 0.4090)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFB4
RGB	219, 255, 180
RGB Percent	86%, 100%, 71%
CMY	0.1414, 0.0000, 0.2941
CMYK	0.14, 0.00, 0.29, 0.00
HSL	89°, 100%, 85%
HSV	89°, 29%, 100%
XYZ	73.1968, 89.8754, 56.6720
YIQ	235.6860, 2.6190, -30.9570

Conversions

Conversions Part 2

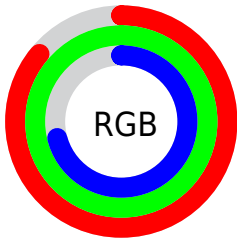
Format	Color
RYB	180, 255, 216
Decimal	14417844
CIELab	95.95, -24.22, 32.13
CIELCh	96, 40.234, 127.006
Yxy	89.8754, 0.3331, 0.4090
Android (android.graphics.Color)	4292607924 (0xFFDBFFB4)
YUV	235.6860, -27.4532, -14.6336
Hunter-Lab	94.8026, -28.0853, 30.9189

Details

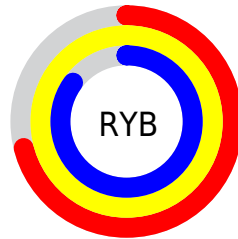
The Yxy color **89.8754, 0.3331, 0.4090** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.4754, 0.2864, 0.2487**, and the grayscale version is **83.8240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **49.7070, 0.3360, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **87.0877, 0.3391, 0.4389**, and if you desaturate by 10%, it is **92.9739, 0.3264, 0.3800**.

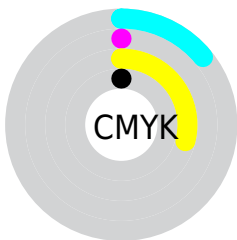
Distribution



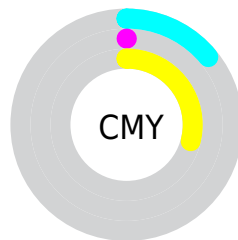
- Red (86%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (85%)



- Cyan (14%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8754, 0.3331, 0.4090 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 89.8754, 0.3331, 0.4090 by changing the saturation by 10% instead.


 89.8754, 0.3331,
0.4090

 89.8754, 0.3331,
0.4090


527.6255, 0.3249,
0.3721

 67.8773, 0.3346,
0.4174

 147.1653, 0.3305,
0.3962

 49.7979, 0.3364,
0.4276


183.2259, 0.3294,
0.3913

 35.2529, 0.3383,
0.4405


224.7428, 0.3285,
0.3870

 23.8577, 0.3404,
0.4571

272.1004, 0.3276,
0.3832

 15.2281, 0.3424,
0.4792

325.6830, 0.3269,
0.3799

 8.9796, 0.3438,
0.5099

385.8752, 0.3262,

 4.7279, 0.3423,

0.3770

0.5544

453.0612, 0.3255,
0.3744

■ 2.0885, 0.3473,
0.6527

■ 0.6582, 0.0496,
0.9504

■ 89.8754, 0.3331,
0.4090

■ 89.8754, 0.3331,
0.4090

■ 87.0877, 0.3391,
0.4389

■ 92.9739, 0.3264,
0.3800

■ 84.6281, 0.3438,
0.4688

■ 96.4266, 0.3194,
0.3528

■ 82.4717, 0.3470,
0.4972

100.0000, 0.3127,
0.3290

■ 80.6025, 0.3481,
0.5226

■ 79.0024, 0.3469,
0.5436

■ 77.6506, 0.3435,
0.5592

■ 76.5167, 0.3382,
0.5694

■ 76.4546, 0.3379,
0.5699

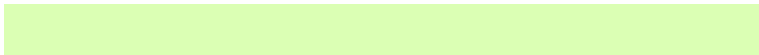
Harmonies

Analogous

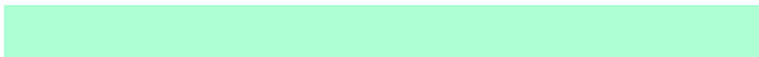
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8754, 0.3739, 0.4057



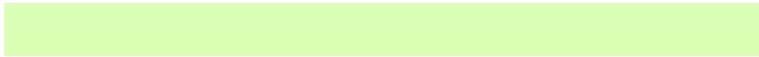
89.8754, 0.3331, 0.4090



89.8754, 0.2886, 0.3858

Triad

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



89.8754, 0.3331, 0.4090



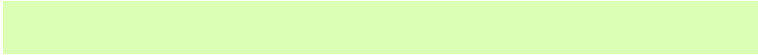
89.8754, 0.2323, 0.2700



89.8754, 0.3754, 0.3111

Complementary

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



89.8754, 0.3331, 0.4090



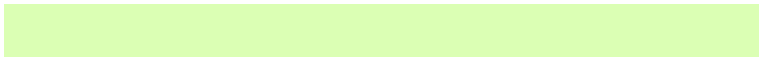
54.4754, 0.2864, 0.2487

Split Complementary

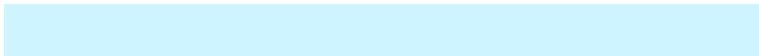
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8754, 0.3330, 0.2806



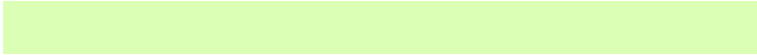
89.8754, 0.3331, 0.4090



89.8754, 0.2516, 0.2568

Square

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



89.8754, 0.3331, 0.4090



89.8754, 0.2325, 0.3007



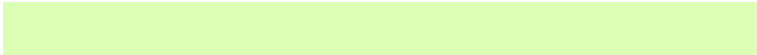
89.8754, 0.2875, 0.2612



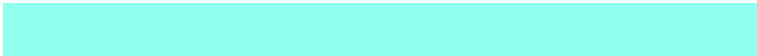
89.8754, 0.4002, 0.3470

Rectangle

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



89.8754, 0.3331, 0.4090



89.8754, 0.2628, 0.3589



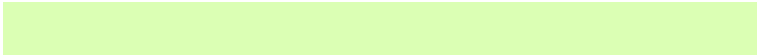
89.8754, 0.2875, 0.2612



89.8754, 0.3625, 0.3000

Sweetspot

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



89.8652, 0.3331, 0.4090



96.5754, 0.3191, 0.3517



73.1582, 0.3682, 0.3651



20.5585, 0.3201, 0.3555



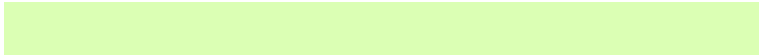
0.0000, 0.0000, 0.0000



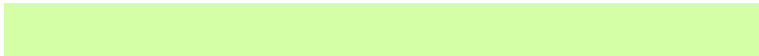
21.4041, 0.3127, 0.3290

Same Dimension

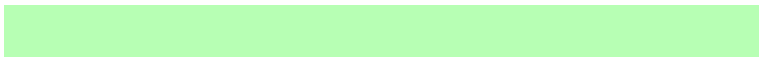
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8652, 0.3331, 0.4090



88.2724, 0.3365, 0.4257



84.8224, 0.3102, 0.4149



20.6319, 0.3195, 0.3530



40.0386, 0.3391, 0.5690



3.9635, 0.3475, 0.5623

Inverse Universe

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



54.4754, 0.2864, 0.2487



47.9094, 0.2800, 0.2319



60.6541, 0.3142, 0.2551



17.8063, 0.3054, 0.3050



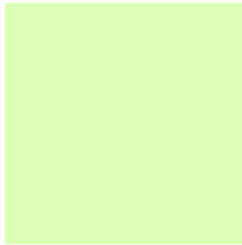
6.0469, 0.1984, 0.0867



0.6534, 0.2108, 0.0935

Previews

White Background



This preview shows how the Yxy color 89.8754, 0.3331, 0.4090 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 89.8754, 0.3331, 0.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

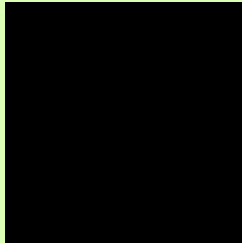
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

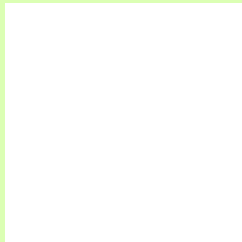
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8754, 0.3331, 0.4090

Background



This preview shows how black text looks on a background with the Yxy color 89.8754, 0.3331, 0.4090.

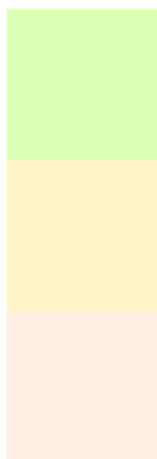


This preview shows how white text looks on a background with the Yxy color 89.8754, 0.3331, 0.4090.

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

89.8754, 0.3331, 0.4090

Protanopia

89.6255, 0.3464, 0.3699

Deuteranopia

89.2373, 0.3296, 0.3399



Tritanopia

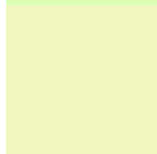
89.7542, 0.3012, 0.3181

Trichromacy



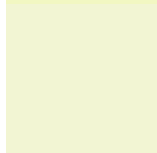
Original Color

89.8754, 0.3331, 0.4090



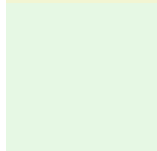
Protanomaly

89.2938, 0.3417, 0.3833



Deuteranomaly

88.8852, 0.3315, 0.3636



Tritanomaly

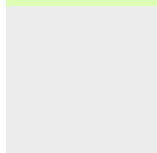
89.5592, 0.3130, 0.3495

Monochromacy



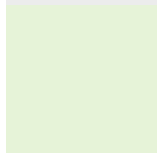
Original Color

89.8754, 0.3331, 0.4090



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8820, 0.3206, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8754, 0.3331, 0.4090 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(219, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 180) }
```

Border

The CSS property to change the border of an element to Yxy 89.8754, 0.3331, 0.4090 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(219, 255, 180) }
```

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

```
.border{ border-color:rgb(219, 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(219, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 255, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 255, 180); box-shadow:4px 4px 4px 4px rgb(219, 255, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8754, 0.3331, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 180) }
```

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

```
.background{ background-color: rgb(219,  
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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