

Converting Colors

$Y_{xy}(100.6961, 0.3420, 0.4447)$

Have a look what the booklet for
Yxy(100.6961, 0.3420, 0.4447)
contains.

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Color

Yxy(89.3954, 0.3462, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	DDFF9F
RGB	221, 255, 159
RGB Percent	87%, 100%, 62%
CMY	0.1333, 0.0000, 0.3764
CMYK	0.13, 0.00, 0.38, 0.00
HSL	81°, 100%, 81%
HSV	81°, 38%, 100%
XYZ	71.8400, 89.3954, 46.2748
YIQ	233.8900, 10.5520, -37.0640

Conversions

Conversions Part 2

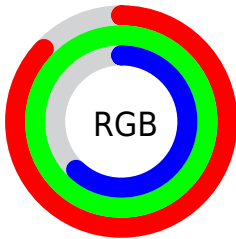
Format	Color
RYB	159, 255, 193
Decimal	14548895
CIELab	95.75, -26.21, 42.30
CIElCh	96, 49.756, 121.782
Yxy	89.3954, 0.3462, 0.4308
Android (android.graphics.Color)	4292738975 (0xFFDDFF9F)
YUV	233.8900, -36.9208, -11.3045
Hunter-Lab	94.5491, -29.8337, 37.1663

Details

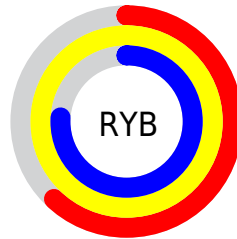
The Yxy color **89.3954, 0.3462, 0.4308** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.3591, 0.2675, 0.2212**, and the grayscale version is **82.4737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **49.4281, 0.3518, 0.4539** is the 20% darker color. If you saturate the color by 10%, you get **87.2220, 0.3534, 0.4589**, and if you desaturate by 10%, it is **91.8320, 0.3379, 0.4024**.

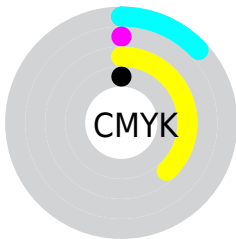
Distribution



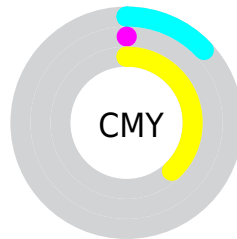
- Red (87%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3954, 0.3462, 0.4308 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 89.3954, 0.3462, 0.4308 by changing the saturation by 10% instead.


 89.3954, 0.3462,
0.4308

 89.3954, 0.3462,
0.4308


526.0621, 0.3329,
0.3839

 67.4793, 0.3487,
0.4413

 146.4983, 0.3420,
0.4146

 49.4742, 0.3514,
0.4542


 182.4539, 0.3403,
0.4083

 34.9958, 0.3544,
0.4701


223.8581, 0.3387,
0.4029

 23.6597, 0.3574,
0.4904

271.0953, 0.3373,
0.3981

 15.0813, 0.3600,
0.5168

324.5499, 0.3360,
0.3939

 8.8765, 0.3606,
0.5520


384.6063, 0.3349,


 4.6607, 0.3650,

0.3902

0.6157


451.6489, 0.3338,
0.3868

 2.0496, 0.3343,
0.6657

 0.6361, 0.0000,
1.0000

 89.3954, 0.3462,
0.4308


 89.3954, 0.3462,
0.4308


 87.2220, 0.3534,
0.4589


 91.8320, 0.3379,
0.4024

 85.2927, 0.3590,
0.4854

 94.5368, 0.3289,
0.3745

 83.5961, 0.3625,
0.5091

 97.5227, 0.3197,
0.3481

 82.1164, 0.3636,
0.5286

100.0000, 0.3127,
0.3290

■ 80.8358, 0.3621,
0.5432

■ 79.7305, 0.3583,
0.5527

■ 79.4875, 0.3573,
0.5545

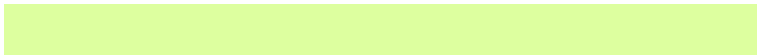
Harmonies

Analogous

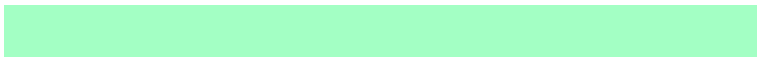
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3954, 0.3945, 0.4191



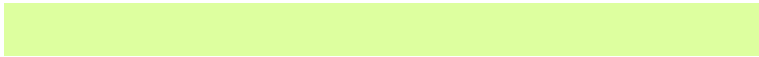
89.3954, 0.3462, 0.4308



89.3954, 0.2913, 0.4081

Triad

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



89.3954, 0.3462, 0.4308



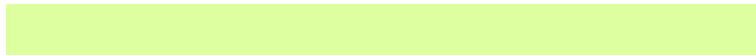
89.3954, 0.2134, 0.2610



89.3954, 0.3822, 0.2995

Complementary

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



89.3954, 0.3462, 0.4308



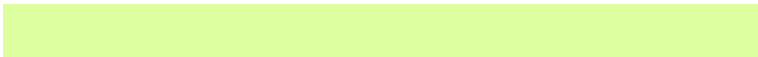
43.3591, 0.2675, 0.2212

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.



89.3954, 0.3272, 0.2651



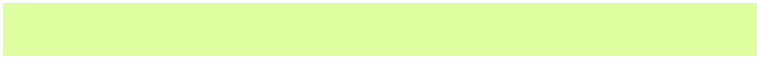
89.3954, 0.3462, 0.4308



89.3954, 0.2325, 0.2422

Square

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



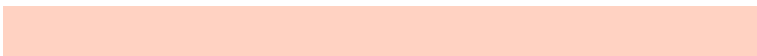
89.3954, 0.3462, 0.4308



89.3954, 0.2174, 0.3014



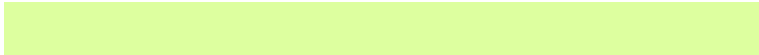
89.3954, 0.2725, 0.2446



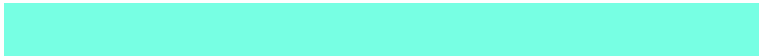
89.3954, 0.4182, 0.3418

Rectangle

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



89.3954, 0.3462, 0.4308



89.3954, 0.2585, 0.3759



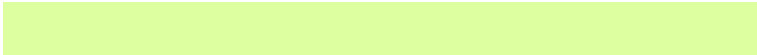
89.3954, 0.2725, 0.2446



89.3954, 0.3650, 0.2868

Sweetspot

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



89.3976, 0.3462, 0.4308



96.4879, 0.3228, 0.3568



61.7311, 0.3924, 0.3643



20.5649, 0.3240, 0.3603



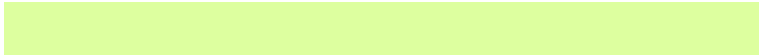
0.0000, 0.0000, 0.0000



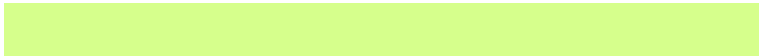
21.4041, 0.3127, 0.3290

Same Dimension

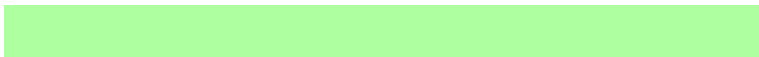
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3976, 0.3462, 0.4308



87.7722, 0.3517, 0.4516



82.9550, 0.3157, 0.4413



20.7501, 0.3214, 0.3529



41.6207, 0.3583, 0.5537



4.1137, 0.3652, 0.5482

Inverse Universe

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



43.3591, 0.2675, 0.2212



35.8590, 0.2563, 0.1976



50.6520, 0.3053, 0.2322



17.6906, 0.3034, 0.3048



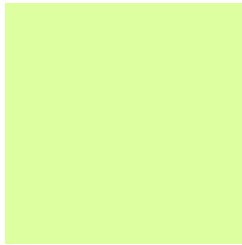
4.9916, 0.1772, 0.0750



0.5445, 0.1895, 0.0818

Previews

White Background



This preview shows how the Yxy color 89.3954, 0.3462, 0.4308 looks on a white background.

Color Contrast Check

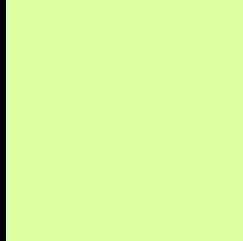
Large Text (above 18pt) WCAG AA × Fail

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 89.3954, 0.3462, 0.4308 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

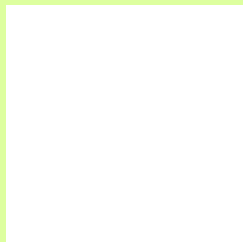
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3954, 0.3462, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 89.3954, 0.3462, 0.4308.

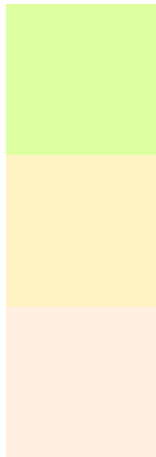


This preview shows how white text looks on a background with the Yxy color 89.3954, 0.3462, 0.4308.

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

89.3954, 0.3462, 0.4308

Protanopia

88.7955, 0.3498, 0.3740

Deuteranopia

89.0712, 0.3315, 0.3428



Tritanopia

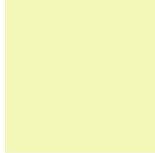
88.9014, 0.3024, 0.3161

Trichromacy



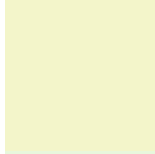
Original Color

89.3954, 0.3462, 0.4308



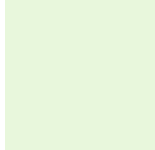
Protanomaly

88.9951, 0.3492, 0.3945



Deuteranomaly

88.6238, 0.3378, 0.3729



Tritanomaly

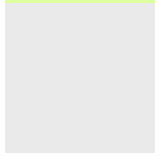
88.8446, 0.3191, 0.3568

Monochromacy



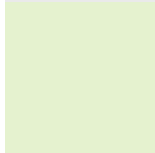
Original Color

89.3954, 0.3462, 0.4308



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.6673, 0.3255, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3954, 0.3462, 0.4308 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(221, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 159)  
}
```

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(221, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 89.3954, 0.3462, 0.4308 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(221, 255, 159) }
```

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

```
.border{ border-color:rgb(221, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3954, 0.3462, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 159) }
```

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

```
.background{ background-color: rgb(221,  
255, 159) }
```

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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