

Converting Colors

$Yxy(89.0420, 0.3488, 0.4372)$

Have a look what the booklet for
Yxy(89.0420, 0.3488, 0.4372)
contains.

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Color

Yxy(89.0356, 0.3488, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	DCFF99
RGB	220, 255, 153
RGB Percent	86%, 100%, 60%
CMY	0.1371, 0.0000, 0.4000
CMYK	0.14, 0.00, 0.40, 0.00
HSL	81°, 100%, 80%
HSV	81°, 40%, 100%
XYZ	71.0330, 89.0356, 43.5810
YIQ	232.9070, 11.8820, -39.1420

Conversions

Conversions Part 2

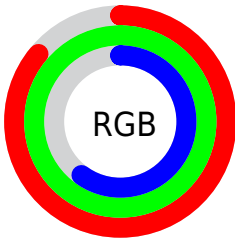
Format	Color
RYB	153, 255, 188
Decimal	14483353
CIELab	95.60, -27.27, 45.01
CIELCh	96, 52.629, 121.209
Yxy	89.0356, 0.3488, 0.4372
Android (android.graphics.Color)	4292673433 (0xFFDCFF99)
YUV	232.9070, -39.3942, -11.3194
Hunter-Lab	94.3587, -30.7533, 38.6671

Details

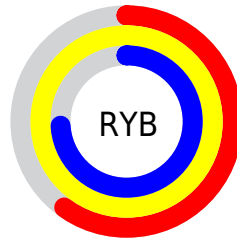
The Yxy color **89.0356, 0.3488, 0.4372** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.6927, 0.2631, 0.2134**, and the grayscale version is **81.7142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **49.0948, 0.3539, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **86.9561, 0.3559, 0.4649**, and if you desaturate by 10%, it is **91.3743, 0.3405, 0.4089**.

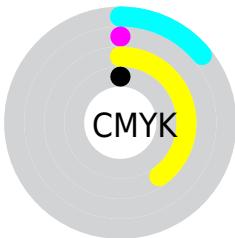
Distribution



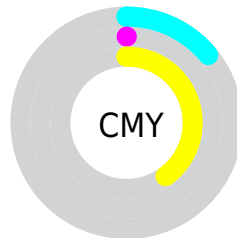
- Red (86%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (74%)



- Cyan (14%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0356, 0.3488, 0.4372 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 89.0356, 0.3488, 0.4372 by changing the saturation by 10% instead.


 89.0356, 0.3488,
0.4372

 89.0356, 0.3488,
0.4372

524.8887, 0.3345,
0.3873

 67.1811, 0.3514,
0.4484


 145.9981, 0.3444,
0.4200

 49.2318, 0.3542,
0.4619


 181.8748, 0.3425,
0.4133

 34.8034, 0.3572,
0.4788


223.1944, 0.3408,
0.4075

 23.5115, 0.3602,
0.5002

270.3412, 0.3393,
0.4024

 14.9716, 0.3624,
0.5277

323.6996, 0.3379,
0.3980

 8.7995, 0.3620,
0.5640

383.6541, 0.3367,

 4.6106, 0.3668,

0.3940

0.6332

450.5890, 0.3356,
0.3905

■ 2.0207, 0.3271,
0.6729

■ 0.6194, 0.0000,
1.0000

■ 89.0356, 0.3488,
0.4372

■ 89.0356, 0.3488,
0.4372

■ 86.9561, 0.3559,
0.4649

■ 91.3743, 0.3405,
0.4089

■ 85.1114, 0.3612,
0.4906

■ 93.9721, 0.3314,
0.3809

■ 83.4914, 0.3644,
0.5132

■ 96.8436, 0.3221,
0.3541

■ 82.0802, 0.3650,
0.5314

99.9984, 0.3127,
0.3290

■ 80.8589, 0.3631,
0.5445

■ 79.7977, 0.3591,
0.5530

■ 79.7973, 0.3591,
0.5530

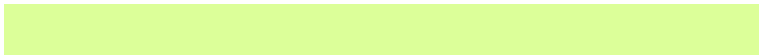
Harmonies

Analogous

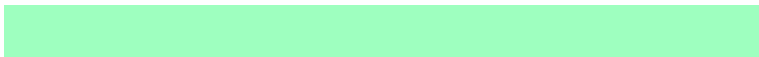
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0356, 0.3997, 0.4235



89.0356, 0.3488, 0.4372



89.0356, 0.2908, 0.4141

Triad

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



89.0356, 0.3488, 0.4372



89.0356, 0.2081, 0.2576



89.0356, 0.3853, 0.2969

Complementary

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



89.0356, 0.3488, 0.4372



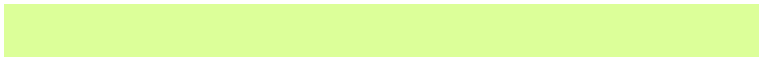
40.6927, 0.2631, 0.2134

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.



89.0356, 0.3267, 0.2611



89.0356, 0.3488, 0.4372



89.0356, 0.2276, 0.2378

Square

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



89.0356, 0.3488, 0.4372



89.0356, 0.2127, 0.3004



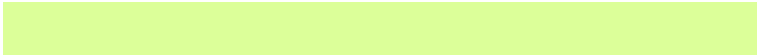
89.0356, 0.2691, 0.2400



89.0356, 0.4240, 0.3411

Rectangle

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



89.0356, 0.3488, 0.4372



89.0356, 0.2562, 0.3799



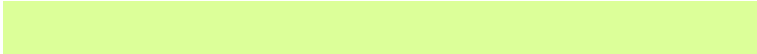
89.0356, 0.2691, 0.2400



89.0356, 0.3670, 0.2837

Sweetspot

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



89.0395, 0.3488, 0.4372



96.2480, 0.3239, 0.3594



59.1023, 0.3998, 0.3648



20.5189, 0.3252, 0.3628



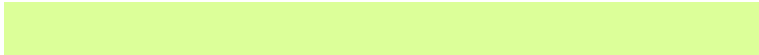
0.0000, 0.0000, 0.0000



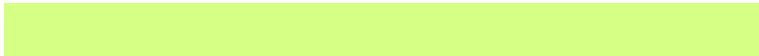
21.4041, 0.3127, 0.3290

Same Dimension

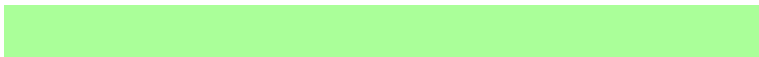
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0395, 0.3488, 0.4372



87.3545, 0.3546, 0.4595



82.3653, 0.3167, 0.4490



20.7608, 0.3216, 0.3529



41.7826, 0.3601, 0.5523



4.1287, 0.3669, 0.5469

Inverse Universe

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



40.6927, 0.2631, 0.2134



32.9489, 0.2504, 0.1877



48.1820, 0.3032, 0.2258



17.6804, 0.3032, 0.3048



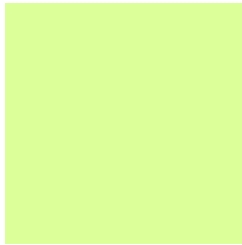
4.9157, 0.1756, 0.0741



0.5362, 0.1878, 0.0808

Previews

White Background



This preview shows how the Yxy color 89.0356, 0.3488, 0.4372 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 89.0356, 0.3488, 0.4372 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 89.0356, 0.3488, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 89.0356, 0.3488, 0.4372.

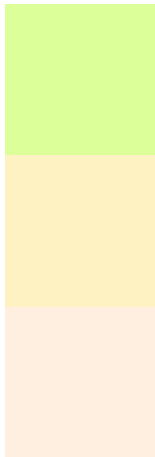


This preview shows how white text looks on a background with the Yxy color 89.0356, 0.3488, 0.4372.

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

89.0356, 0.3488, 0.4372

Protanopia

88.6593, 0.3518, 0.3770

Deuteranopia

88.4292, 0.3323, 0.3429



Tritanopia

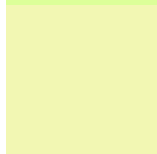
88.7288, 0.3018, 0.3161

Trichromacy



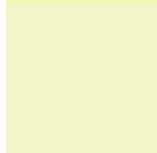
Original Color

89.0356, 0.3488, 0.4372



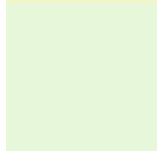
Protanomaly

88.6534, 0.3509, 0.3988



Deuteranomaly

88.3056, 0.3390, 0.3761



Tritanomaly

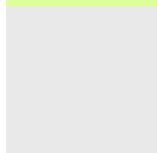
88.5724, 0.3197, 0.3590

Monochromacy



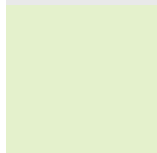
Original Color

89.0356, 0.3488, 0.4372



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.7642, 0.3268, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0356, 0.3488, 0.4372 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(220, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 153)  
}
```

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(220, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 89.0356, 0.3488, 0.4372 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(220, 255, 153) }
```

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

```
.border{ border-color:rgb(220, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0356, 0.3488, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 153) }
```

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

```
.background{ background-color: rgb(220,  
255, 153) }
```

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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