

Converting Colors

$Yxy(89.3310, 0.3391, 0.4074)$

Have a look what the booklet for
Yxy(89.3310, 0.3391, 0.4074)
contains.

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Color

Yxy(89.6337, 0.3393, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	E2FDB2
RGB	226, 253, 178
RGB Percent	89%, 99%, 70%
CMY	0.1137, 0.0078, 0.3020
CMYK	0.11, 0.00, 0.30, 0.01
HSL	82°, 95%, 85%
HSV	82°, 30%, 99%
XYZ	74.5227, 89.6337, 55.4802
YIQ	236.3770, 7.9830, -29.0490

Conversions

Conversions Part 2

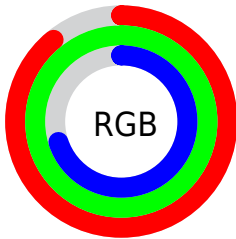
Format	Color
RYB	178, 253, 205
Decimal	14876082
CIELab	95.84, -21.03, 33.09
CIELCh	96, 39.211, 122.440
Yxy	89.6337, 0.3393, 0.4081
Android (android.graphics.Color)	4293066162 (0xFFE2FDB2)
YUV	236.3770, -28.7799, -9.1006
Hunter-Lab	94.6751, -25.1766, 31.5282

Details

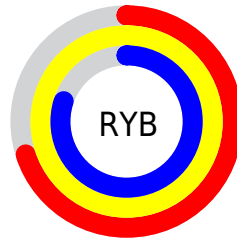
The Yxy color **89.6337, 0.3393, 0.4081** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.9022, 0.2793, 0.2465**, and the grayscale version is **84.4057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **49.5066, 0.3439, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **87.2798, 0.3473, 0.4366**, and if you desaturate by 10%, it is **92.2611, 0.3305, 0.3801**.

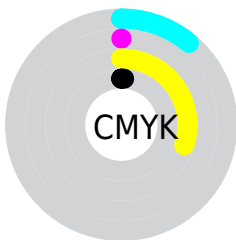
Distribution



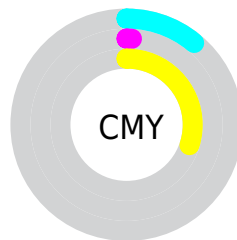
- Red (89%)
- Green (99%)
- Blue (70%)



- Red (70%)
- Yellow (99%)
- Blue (80%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (1%)




- Cyan (11%)
- Magenta (1%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6337, 0.3393, 0.4081 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 89.6337, 0.3393, 0.4081 by changing the saturation by 10% instead.


 89.6337, 0.3393,
0.4081

 89.6337, 0.3393,
0.4081


526.8386, 0.3283,
0.3717

 67.6769, 0.3415,
0.4163


 146.8295, 0.3358,
0.3956

 49.6349, 0.3440,
0.4263


182.8372, 0.3343,
0.3907

 35.1234, 0.3468,
0.4388


224.2974, 0.3330,
0.3864

 23.7579, 0.3501,
0.4549

271.5944, 0.3319,
0.3828

 15.1542, 0.3537,
0.4762

325.1126, 0.3308,
0.3795

 8.9276, 0.3571,
0.5054

385.2365, 0.3299,

 4.6940, 0.3588,

0.3766

0.5476

452.3503, 0.3291,
0.3741

■ 2.0689, 0.3659,
0.6341

■ 0.6470, 0.1356,
0.8644

■ 89.6337, 0.3393,
0.4081

■ 89.6337, 0.3393,
0.4081

■ 87.2798, 0.3473,
0.4366

■ 92.2611, 0.3305,
0.3801

■ 85.1762, 0.3542,
0.4646

■ 95.1609, 0.3215,
0.3533

■ 83.3140, 0.3593,
0.4908

■ 98.3471, 0.3124,
0.3282

■ 81.6796, 0.3622,
0.5138

■ 98.7357, 0.3128,
0.3271

■ 80.2572, 0.3627,
0.5325

■ 79.0283, 0.3606,
0.5461

■ 77.9643, 0.3565,
0.5550

■ 77.9294, 0.3564,
0.5553

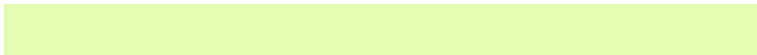
Harmonies

Analogous

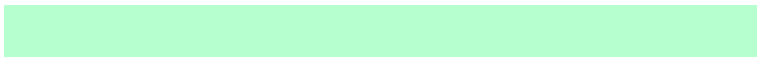
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6337, 0.3775, 0.4014



89.6337, 0.3393, 0.4081



89.6337, 0.2956, 0.3893

Triad

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



89.6337, 0.3393, 0.4081



89.6337, 0.2329, 0.2749



89.6337, 0.3683, 0.3065

Complementary

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



89.6337, 0.3393, 0.4081



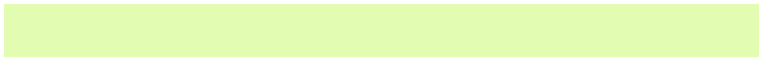
51.9022, 0.2793, 0.2465

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.



89.6337, 0.3256, 0.2780



89.6337, 0.3393, 0.4081



89.6337, 0.2490, 0.2593

Square

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



89.6337, 0.3393, 0.4081



89.6337, 0.2360, 0.3074



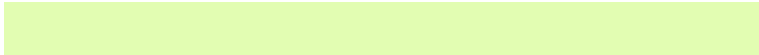
89.6337, 0.2820, 0.2610



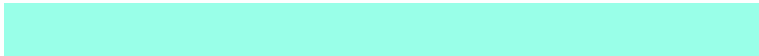
89.6337, 0.3959, 0.3413

Rectangle

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



89.6337, 0.3393, 0.4081



89.6337, 0.2693, 0.3646



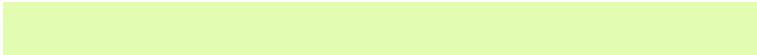
89.6337, 0.2820, 0.2610



89.6337, 0.3551, 0.2960

Sweetspot

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



89.6376, 0.3393, 0.4081



97.0756, 0.3209, 0.3516



67.3971, 0.3714, 0.3566



20.6818, 0.3222, 0.3554



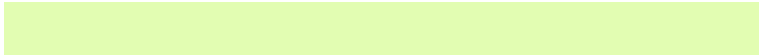
0.0000, 0.0000, 0.0000



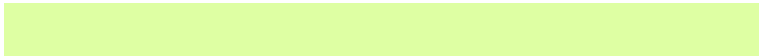
21.4041, 0.3127, 0.3290

Same Dimension

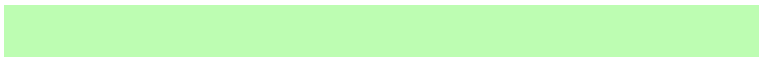
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6376, 0.3393, 0.4081



89.6936, 0.3445, 0.4262



84.3179, 0.3155, 0.4143



20.7446, 0.3213, 0.3529



41.5377, 0.3573, 0.5545



4.1060, 0.3644, 0.5489

Inverse Universe

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



51.9022, 0.2793, 0.2465



45.2544, 0.2704, 0.2265



57.7583, 0.3074, 0.2530



17.6959, 0.3035, 0.3048



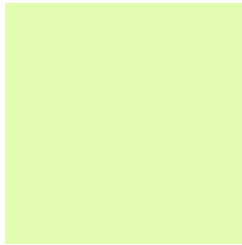
5.0323, 0.1781, 0.0755



0.5489, 0.1904, 0.0823

Previews

White Background



This preview shows how the Yxy color 89.6337, 0.3393, 0.4081 looks on a white background.

Color Contrast Check

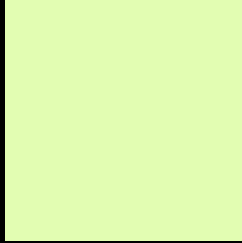
Large Text (above 18pt) WCAG AA × Fail

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 89.6337, 0.3393, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

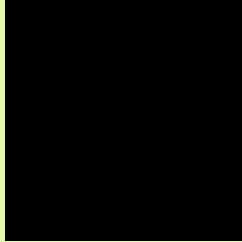
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

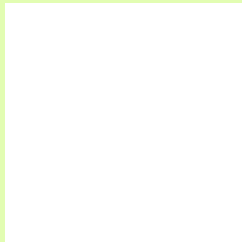
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6337, 0.3393, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 89.6337, 0.3393, 0.4081.

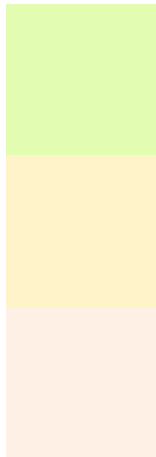


This preview shows how white text looks on a background with the Yxy color 89.6337, 0.3393, 0.4081.

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

89.6337, 0.3393, 0.4081

Protanopia

89.5782, 0.3471, 0.3709

Deuteranopia

89.2373, 0.3296, 0.3399



Tritanopia

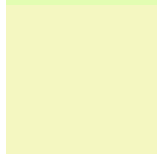
89.0750, 0.3031, 0.3161

Trichromacy



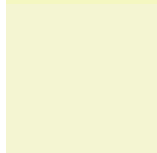
Original Color

89.6337, 0.3393, 0.4081



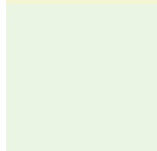
Protanomaly

89.6049, 0.3437, 0.3840



Deuteranomaly

89.1911, 0.3335, 0.3645



Tritanomaly

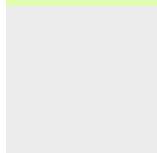
88.9500, 0.3163, 0.3484

Monochromacy



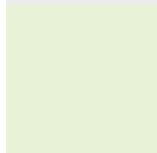
Original Color

89.6337, 0.3393, 0.4081



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.5664, 0.3226, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6337, 0.3393, 0.4081 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(226, 253, 178)` looks like.

```
.text, #text, p{  
    color:rgb(226, 253, 178)  
}
```

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(226, 253, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 253, 178) }
```

Border

The CSS property to change the border of an element to Yxy 89.6337, 0.3393, 0.4081 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(226, 253, 178) }
```

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

```
.border{ border-color:rgb(226, 253, 178) }
```

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

Here you see how a box with a 4 pixel rgb(226, 253, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 253, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 253, 178);  
box-shadow:4px 4px 4px 4px rgb(226, 253,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6337, 0.3393, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 253, 178) }
```

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

```
.background{ background-color: rgb(226,  
253, 178) }
```

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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