

Converting Colors

$Yxy(87.2793, 0.3844, 0.5038)$

Have a look what the booklet for
Yxy(87.2793, 0.3844, 0.5038)
contains.

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Color

Yxy(87.3471, 0.3848, 0.5038)

Conversions

Conversions Part 1

Format	Color
Hex	DDFF47
RGB	221, 255, 71
RGB Percent	87%, 100%, 28%
CMY	0.1334, 0.0000, 0.7213
CMYK	0.13, 0.00, 0.72, 0.00
HSL	71°, 100%, 64%
HSV	71°, 72%, 100%
XYZ	66.7153, 87.3471, 19.3141
YIQ	223.8580, 38.8000, -64.4320

Conversions

Conversions Part 2

Format	Color
RYB	71, 255, 105
Decimal	14548807
CIELab	94.89, -33.60, 78.81
CIELCh	95, 85.670, 113.089
Yxy	87.3471, 0.3848, 0.5038
Android (android.graphics.Color)	4292738887 (0xFFDDFF47)
YUV	223.8580, -75.3590, -2.5065
Hunter-Lab	93.4597, -36.1339, 53.1690

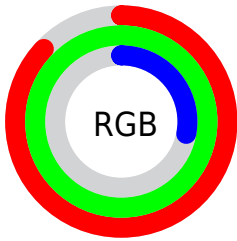
Details

The Yxy color **87.3471, 0.3848, 0.5038** is a light color, and the websafe version is hex **CCFF33**.

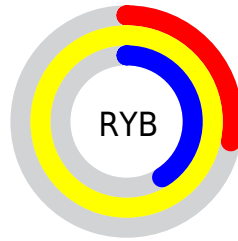
The color can be described as light washed yellow. A complement of this color would be **14.7423, 0.1909, 0.1076**, and the grayscale version is **74.9648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **48.0695, 0.3874, 0.5306** is the 20% darker color. If you saturate the color by 10%, you get **86.3546, 0.3876, 0.5177**, and if you desaturate by 10%, it is **88.4959, 0.3794, 0.4854**.

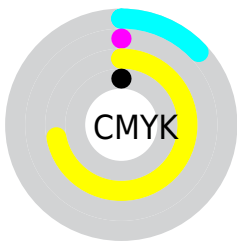
Distribution



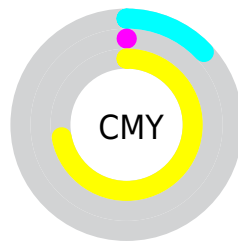
- Red (87%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (41%)



- Cyan (13%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3471, 0.3848, 0.5038 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 87.3471, 0.3848, 0.5038 by changing the saturation by 10% instead.


 87.3471, 0.3848,
0.5038


 87.3471, 0.3848,
0.5038


519.3628, 0.3598,
0.4263

 65.7825, 0.3879,
0.5195


 143.6478, 0.3781,
0.4783

 48.0959, 0.3905,
0.5376


 179.1528, 0.3750,
0.4679

 33.9028, 0.3916,
0.5584


 220.0732, 0.3720,
0.4588

 22.8189, 0.3899,
0.5818

 266.7937, 0.3691,
0.4508

 14.4599, 0.3866,
0.6134

 319.6984, 0.3665,
0.4436

 8.4412, 0.3660,
0.6340

379.1719, 0.3641,

 4.3785, 0.3351,

0.4372

0.6649

445.5986, 0.3619,
0.4315

■ 1.8875, 0.2833,
0.7167

■ 0.5408, 0.0000,
1.0000

■ 87.3471, 0.3848,
0.5038

■ 87.3471, 0.3848,
0.5038

■ 86.3546, 0.3876,
0.5177

■ 88.4959, 0.3794,
0.4854


■ 85.5023, 0.3877,
0.5269

■ 89.8192, 0.3717,
0.4634


■ 84.9081, 0.3864,
0.5314

■ 91.3294, 0.3620,
0.4387

■ 93.0385, 0.3511,
0.4124

 94.9575, 0.3393,
0.3857

 97.0964, 0.3272,
0.3594

 99.4646, 0.3152,
0.3342

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



87.3471, 0.4607, 0.4546



87.3471, 0.3848, 0.5038



87.3471, 0.2954, 0.4944

Triad

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



87.3471, 0.3848, 0.5038



87.3471, 0.1534, 0.2271



87.3471, 0.4058, 0.2612

Complementary

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



87.3471, 0.3848, 0.5038



14.7423, 0.1909, 0.1076

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.



87.3471, 0.3057, 0.2152



87.3471, 0.3848, 0.5038



87.3471, 0.1721, 0.1933

Square

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



87.3471, 0.3848, 0.5038



87.3471, 0.1666, 0.3009



87.3471, 0.2227, 0.1911



87.3471, 0.4828, 0.3213

Rectangle

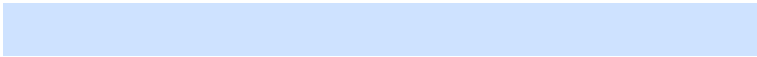
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.3471, 0.3848, 0.5038



87.3471, 0.2395, 0.4431



87.3471, 0.2227, 0.1911



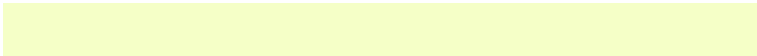
87.3471, 0.3727, 0.2439

Sweetspot

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



87.3462, 0.3848, 0.5038



94.9843, 0.3391, 0.3854



31.7752, 0.5339, 0.3579



20.2144, 0.3424, 0.3926



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.



87.3462, 0.3848, 0.5038



85.9236, 0.3879, 0.5228



76.6672, 0.3262, 0.5437



20.9110, 0.3240, 0.3527



44.4274, 0.3869, 0.5310



4.3677, 0.3908, 0.5279

Inverse Universe

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



14.7423, 0.1909, 0.1076



9.7787, 0.1693, 0.0773



23.5716, 0.2643, 0.1440



17.5393, 0.3007, 0.3046



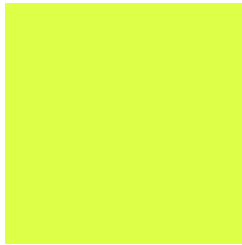
4.1363, 0.1585, 0.0647



0.4440, 0.1679, 0.0699

Previews

White Background



This preview shows how the Yxy color 87.3471, 0.3848, 0.5038 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 87.3471, 0.3848, 0.5038 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 87.3471, 0.3848, 0.5038

Background



This preview shows how black text looks on a background with the Yxy color 87.3471, 0.3848, 0.5038.

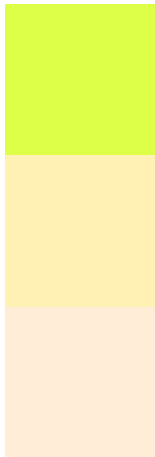


This preview shows how white text looks on a background with the Yxy color 87.3471, 0.3848, 0.5038.

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

87.3471, 0.3848, 0.5038

Protanopia

86.8348, 0.3619, 0.3902

Deuteranopia

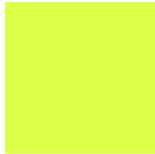
86.7862, 0.3384, 0.3499



Tritanopia

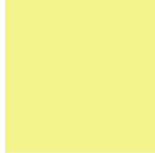
86.8943, 0.3038, 0.3121

Trichromacy



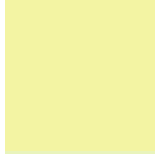
Original Color

87.3471, 0.3848, 0.5038



Protanomaly

86.2530, 0.3752, 0.4353



Deuteranomaly

86.4004, 0.3621, 0.4121



Tritanomaly

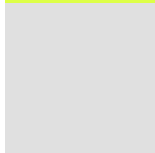
85.6558, 0.3398, 0.3879

Monochromacy



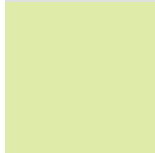
Original Color

87.3471, 0.3848, 0.5038



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.9318, 0.3470, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3471, 0.3848, 0.5038 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 71) }
```

Border

The CSS property to change the border of an element to Yxy 87.3471, 0.3848, 0.5038 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, 71) }
```

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

```
.border{ border-color:rgb(221, 255, 71) }
```

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, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3471, 0.3848, 0.5038 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, 71) }
```

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

```
.background{ background-color: rgb(221,  
255, 71) }
```

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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