

Converting Colors

$Yxy(87.7834, 0.3833, 0.4974)$

Have a look what the booklet for
Yxy(87.7834, 0.3833, 0.4974)
contains.

Yxy(87.7872, 0.3835, 0.4977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.7872, 0.3835, 0.4977)

Conversions

Conversions Part 1

Format	Color
Hex	DFFF50
RGB	223, 255, 80
RGB Percent	87%, 100%, 31%
CMY	0.1254, 0.0000, 0.6865
CMYK	0.13, 0.00, 0.69, 0.00
HSL	71°, 100%, 66%
HSV	71°, 69%, 100%
XYZ	67.6439, 87.7872, 20.9546
YIQ	225.4820, 37.1030, -61.2090

Conversions

Conversions Part 2

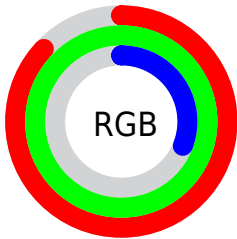
Format	Color
R _Y B	80, 255, 112
Decimal	14679888
CIE Lab	95.07, -32.35, 76.03
CIE LCh	95, 82.626, 113.046
Yxy	87.7872, 0.3835, 0.4977
Android (android.graphics.Color)	4292869968 (0xFFDFFF50)
YUV	225.4820, -71.7226, -2.1767
Hunter-Lab	93.6948, -35.0960, 52.3263

Details

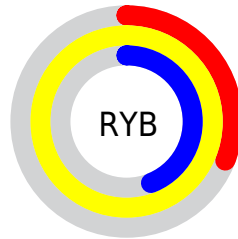
The Yxy color **87.7872, 0.3835, 0.4977** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light muted yellow. A complement of this color would be **16.3859, 0.1966, 0.1168**, and the grayscale version is **76.1675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6150, 0.3809, 0.4417**, and **48.2807, 0.3892, 0.5292** is the 20% darker color. If you saturate the color by 10%, you get **86.7532, 0.3872, 0.5132**, and if you desaturate by 10%, it is **88.9914, 0.3772, 0.4780**.

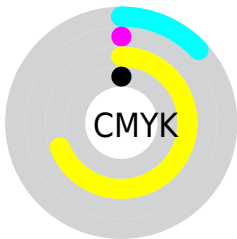
Distribution



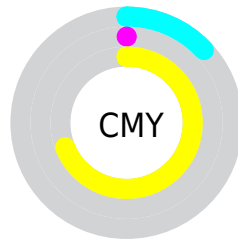
- Red (87%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (44%)



- Cyan (13%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7872, 0.3835, 0.4977 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 87.7872, 0.3835, 0.4977 by changing the saturation by 10% instead.


 87.7872, 0.3835,
0.4977

 87.7872, 0.3835,
0.4977


520.8061, 0.3584,
0.4226

 66.1468, 0.3869,
0.5131


 144.2609, 0.3766,
0.4729

 48.3916, 0.3898,
0.5309

 179.8630, 0.3734,
0.4629

 34.1371, 0.3916,
0.5514


 220.8878, 0.3704,
0.4541

 22.9990, 0.3909,
0.5748

 267.7196, 0.3676,
0.4463

 14.5927, 0.3889,
0.6063

320.7430, 0.3650,
0.4394

 8.5341, 0.3711,
0.6289

380.3423, 0.3626,

 4.4385, 0.3416,

0.4332

0.6584

446.9019, 0.3604,
0.4276

■ 1.9218, 0.2929,
0.7071

■ 0.5614, 0.0000,
1.0000

■ 87.7872, 0.3835,
0.4977

■ 87.7872, 0.3835,
0.4977

■ 86.7532, 0.3872,
0.5132

■ 88.9914, 0.3772,
0.4780

■ 85.8617, 0.3883,
0.5240

■ 90.3700, 0.3687,
0.4549


■ 85.0913, 0.3870,
0.5304

■ 91.9394, 0.3585,
0.4296

■ 84.9925, 0.3868,
0.5311

■ 93.7111, 0.3471,
0.4031

 95.6957, 0.3352,
0.3765

 97.9030, 0.3230,
0.3505

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.



87.7872, 0.4566, 0.4515



87.7872, 0.3835, 0.4977



87.7872, 0.2969, 0.4875

Triad

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



87.7872, 0.3835, 0.4977



87.7872, 0.1579, 0.2308



87.7872, 0.4024, 0.2634

Complementary

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



87.7872, 0.3835, 0.4977



16.3859, 0.1966, 0.1168

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.



87.7872, 0.3061, 0.2186



87.7872, 0.3835, 0.4977



87.7872, 0.1761, 0.1974

Square

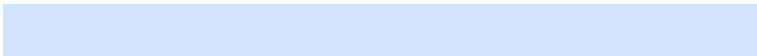
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7872, 0.3835, 0.4977



87.7872, 0.1712, 0.3026



87.7872, 0.2256, 0.1951



87.7872, 0.4765, 0.3222

Rectangle

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



87.7872, 0.3835, 0.4977



87.7872, 0.2426, 0.4385



87.7872, 0.2256, 0.1951



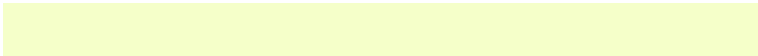
87.7872, 0.3705, 0.2465

Sweetspot

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



87.7907, 0.3835, 0.4977



95.2104, 0.3380, 0.3827



32.7991, 0.5217, 0.3552



20.2600, 0.3413, 0.3901



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.



87.7907, 0.3835, 0.4977



86.4396, 0.3879, 0.5173



77.5261, 0.3286, 0.5336



20.9132, 0.3241, 0.3527



44.4710, 0.3873, 0.5307



4.3716, 0.3912, 0.5276

Inverse Universe

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



16.3859, 0.1966, 0.1168



11.0550, 0.1755, 0.0855



24.7698, 0.2646, 0.1495



17.5372, 0.3007, 0.3046



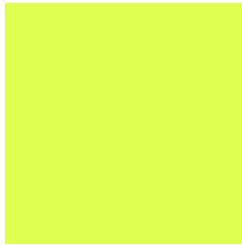
4.1286, 0.1583, 0.0646



0.4429, 0.1677, 0.0697

Previews

White Background



This preview shows how the Yxy color 87.7872, 0.3835, 0.4977 looks on a white background.

Color Contrast Check

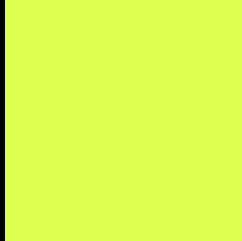
Large Text (above 18pt) WCAG AA × Fail

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 87.7872, 0.3835, 0.4977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

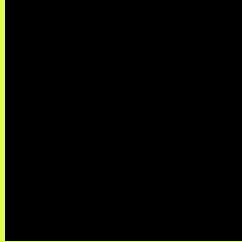
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.7872, 0.3835, 0.4977

Background



This preview shows how black text looks on a background with the Yxy color 87.7872, 0.3835, 0.4977.

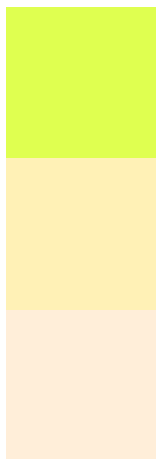


This preview shows how white text looks on a background with the Yxy color 87.7872, 0.3835, 0.4977.

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

87.7872, 0.3835, 0.4977

Protanopia

87.5480, 0.3597, 0.3881

Deuteranopia

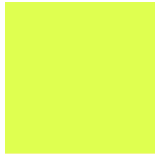
87.4188, 0.3376, 0.3499



Tritanopia

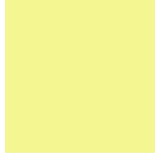
87.0698, 0.3044, 0.3122

Trichromacy



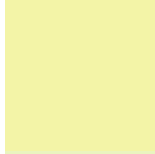
Original Color

87.7872, 0.3835, 0.4977



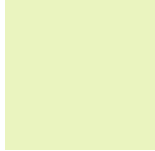
Protanomaly

87.0106, 0.3720, 0.4315



Deuteranomaly

86.5461, 0.3597, 0.4081



Tritanomaly

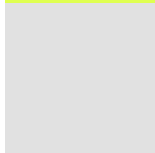
85.9554, 0.3386, 0.3845

Monochromacy



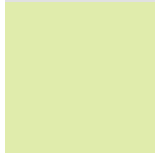
Original Color

87.7872, 0.3835, 0.4977



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.8168, 0.3450, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7872, 0.3835, 0.4977 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(223, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 80)  
}
```

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(223, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 80) }
```

Border

The CSS property to change the border of an element to Yxy 87.7872, 0.3835, 0.4977 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(223, 255, 80) }
```

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

```
.border{ border-color:rgb(223, 255, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7872, 0.3835, 0.4977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 80) }
```

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

```
.background{ background-color: rgb(223,  
255, 80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor