

Converting Colors

$Yxy(87.7996, 0.3807, 0.4935)$

Have a look what the booklet for
Yxy(87.7996, 0.3807, 0.4935)
contains.

Yxy(87.7377, 0.3804, 0.4937)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.7377, 0.3804, 0.4937)

Conversions

Conversions Part 1

Format	Color
Hex	DEFF57
RGB	222, 255, 87
RGB Percent	87%, 100%, 34%
CMY	0.1294, 0.0000, 0.6591
CMYK	0.13, 0.00, 0.66, 0.00
HSL	72°, 100%, 67%
HSV	72°, 66%, 100%
XYZ	67.6026, 87.7377, 22.3743
YIQ	225.9810, 34.2600, -59.2440

Conversions

Conversions Part 2

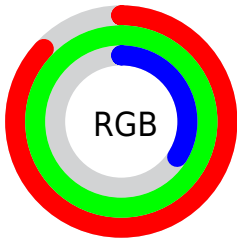
Format	Color
RYB	87, 255, 120
Decimal	14614359
CIELab	95.05, -32.35, 73.45
CIElCh	95, 80.253, 113.770
Yxy	87.7377, 0.3804, 0.4937
Android (android.graphics.Color)	4292804439 (0xFFDEFF57)
YUV	225.9810, -68.5176, -3.4913
Hunter-Lab	93.6684, -35.0922, 51.4055

Details

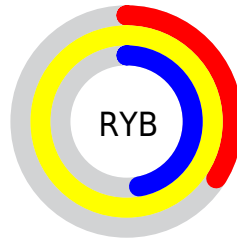
The Yxy color **87.7377, 0.3804, 0.4937** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **18.0148, 0.2031, 0.1253**, and the grayscale version is **76.5198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **48.2121, 0.3866, 0.5267** is the 20% darker color. If you saturate the color by 10%, you get **86.6125, 0.3846, 0.5107**, and if you desaturate by 10%, it is **89.0318, 0.3737, 0.4727**.

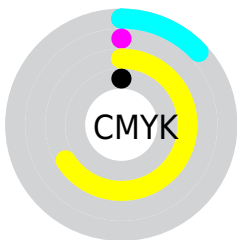
Distribution



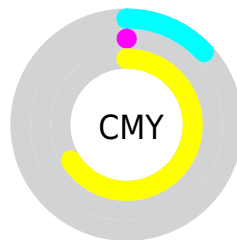
- Red (87%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (47%)



- Cyan (13%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7377, 0.3804, 0.4937 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 87.7377, 0.3804, 0.4937 by changing the saturation by 10% instead.


 87.7377, 0.3804,
0.4937


 87.7377, 0.3804,
0.4937


520.6439, 0.3561,
0.4200


 66.1059, 0.3838,
0.5090

 144.1919, 0.3737,
0.4692


 48.3583, 0.3868,
0.5268

 179.7831, 0.3706,
0.4594

 34.1108, 0.3888,
0.5475


 220.7962, 0.3677,
0.4507

 22.9787, 0.3886,
0.5715

 267.6155, 0.3650,
0.4431

 14.5778, 0.3860,
0.6018

320.6256, 0.3625,
0.4363

 8.5236, 0.3710,
0.6290


380.2108, 0.3602,


 4.4318, 0.3415,

0.4303

446.7554, 0.3581,
0.4249


0.6585


 1.9179, 0.2928,
0.7072


 0.5591, 0.0000,
1.0000


 87.7377, 0.3804,
0.4937


 87.7377, 0.3804,
0.4937


 86.6125, 0.3846,
0.5107


 89.0318, 0.3737,
0.4727


 85.6422, 0.3862,
0.5231


 90.5115, 0.3649,
0.4486


 84.8055, 0.3852,
0.5308

 92.1883, 0.3546,
0.4227

 84.4893, 0.3843,
0.5330

 94.0737, 0.3433,
0.3959

 96.1780, 0.3315,
0.3693

 98.5109, 0.3196,
0.3436

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.



87.7377, 0.4521, 0.4506



87.7377, 0.3804, 0.4937



87.7377, 0.2958, 0.4812

Triad

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



87.7377, 0.3804, 0.4937



87.7377, 0.1615, 0.2324



87.7377, 0.4021, 0.2664

Complementary

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



87.7377, 0.3804, 0.4937



18.0148, 0.2031, 0.1253

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.



87.7377, 0.3086, 0.2219



87.7377, 0.3804, 0.4937



87.7377, 0.1801, 0.2002

Square

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



87.7377, 0.3804, 0.4937



87.7377, 0.1739, 0.3016



87.7377, 0.2294, 0.1984



87.7377, 0.4730, 0.3243

Rectangle

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



87.7377, 0.3804, 0.4937



87.7377, 0.2430, 0.4328



87.7377, 0.2294, 0.1984



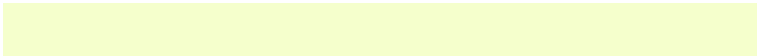
87.7377, 0.3713, 0.2497

Sweetspot

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



87.7369, 0.3804, 0.4937



95.2896, 0.3363, 0.3801



34.8449, 0.5074, 0.3578



20.2700, 0.3397, 0.3876



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.



87.7369, 0.3804, 0.4937



86.2967, 0.3854, 0.5150



77.7962, 0.3274, 0.5271



20.9000, 0.3239, 0.3527



44.2112, 0.3849, 0.5326



4.3485, 0.3890, 0.5293

Inverse Universe

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



18.0148, 0.2031, 0.1253



12.1493, 0.1812, 0.0922



26.5522, 0.2697, 0.1565



17.5494, 0.3009, 0.3046



4.1762, 0.1594, 0.0652



0.4493, 0.1691, 0.0705

Previews

White Background



This preview shows how the Yxy color 87.7377, 0.3804, 0.4937 looks on a white background.

Color Contrast Check

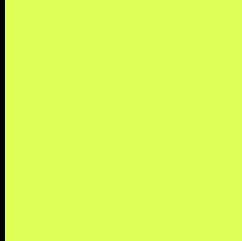
Large Text (above 18pt) WCAG AA × Fail

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 87.7377, 0.3804, 0.4937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

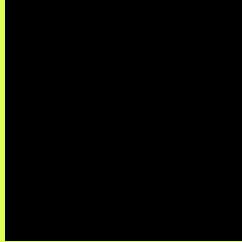
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.7377, 0.3804, 0.4937

Background



This preview shows how black text looks on a background with the Yxy color 87.7377, 0.3804, 0.4937.

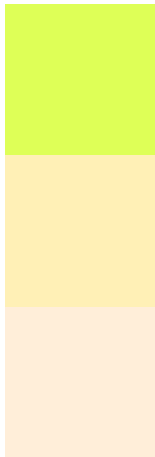


This preview shows how white text looks on a background with the Yxy color 87.7377, 0.3804, 0.4937.

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

87.7377, 0.3804, 0.4937

Protanopia

86.9576, 0.3600, 0.3872

Deuteranopia

87.4188, 0.3376, 0.3499



Tritanopia

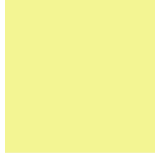
87.4783, 0.3037, 0.3131

Trichromacy



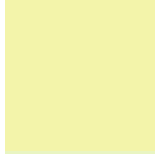
Original Color

87.7377, 0.3804, 0.4937



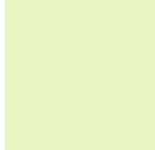
Protanomaly

86.4661, 0.3713, 0.4287



Deuteranomaly

86.6583, 0.3579, 0.4050



Tritanomaly

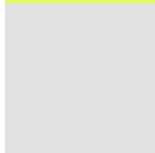
86.5235, 0.3359, 0.3824

Monochromacy



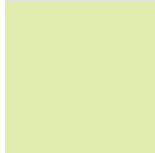
Original Color

87.7377, 0.3804, 0.4937



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.6711, 0.3436, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7377, 0.3804, 0.4937 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(222, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 87)  
}
```

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(222, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 87) }
```

Border

The CSS property to change the border of an element to Yxy 87.7377, 0.3804, 0.4937 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(222, 255, 87) }
```

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

```
.border{ border-color:rgb(222, 255, 87) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7377, 0.3804, 0.4937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 87) }
```

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

```
.background{ background-color: rgb(222,  
255, 87) }
```

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