

Converting Colors

$Yxy(87.1484, 0.3795, 0.4979)$

Have a look what the booklet for
Yxy(87.1484, 0.3795, 0.4979)
contains.

Yxy(87.2046, 0.3797, 0.4976)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.2046, 0.3797, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	DBFF53
RGB	219, 255, 83
RGB Percent	86%, 100%, 33%
CMY	0.1410, 0.0000, 0.6746
CMYK	0.14, 0.00, 0.67, 0.00
HSL	73°, 100%, 66%
HSV	73°, 67%, 100%
XYZ	66.5426, 87.2046, 21.5032
YIQ	224.6280, 33.7560, -61.1240

Conversions

Conversions Part 2

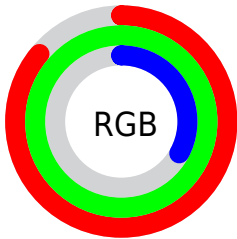
Format	Color
R _Y B	83, 255, 119
Decimal	14417747
CIE Lab	94.83, -33.72, 74.61
CIE LCh	95, 81.875, 114.321
Yxy	87.2046, 0.3797, 0.4976
Android (android.graphics.Color)	4292607827 (0xFFDBFF53)
YUV	224.6280, -69.8226, -4.9358
Hunter-Lab	93.3834, -36.2265, 51.7158

Details

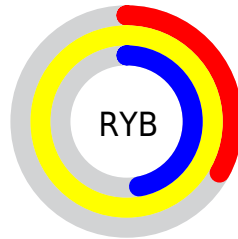
The Yxy color **87.2046, 0.3797, 0.4976** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **17.3207, 0.2017, 0.1216**, and the grayscale version is **75.5119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **47.8683, 0.3853, 0.5314** is the 20% darker color. If you saturate the color by 10%, you get **86.0707, 0.3833, 0.5142**, and if you desaturate by 10%, it is **88.5175, 0.3736, 0.4769**.

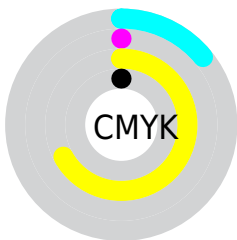
Distribution



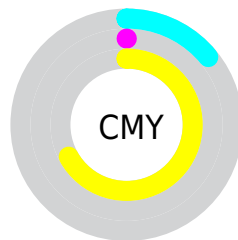
- Red (86%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (47%)



- Cyan (14%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2046, 0.3797, 0.4976 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 87.2046, 0.3797, 0.4976 by changing the saturation by 10% instead.


 87.2046, 0.3797,
0.4976

 87.2046, 0.3797,
0.4976

518.8949, 0.3561,
0.4220


 65.6645, 0.3828,
0.5132

 143.4493, 0.3733,
0.4725

 48.0001, 0.3855,
0.5314


 178.9227, 0.3702,
0.4624

 33.8270, 0.3870,
0.5526


 219.8093, 0.3674,
0.4535

 22.7607, 0.3860,
0.5770

 266.4936, 0.3648,
0.4457

 14.4169, 0.3830,
0.6091

319.3599, 0.3623,
0.4388

 8.4112, 0.3653,
0.6347

378.7926, 0.3601,

 4.3592, 0.3343,

0.4326

0.6657

445.1762, 0.3580,
0.4270

■ 1.8764, 0.2819,
0.7181

■ 0.5342, 0.0000,
1.0000

■ 87.2046, 0.3797,
0.4976

■ 87.2046, 0.3797,
0.4976

■ 86.0707, 0.3833,
0.5142

■ 88.5175, 0.3736,
0.4769

■ 85.0871, 0.3842,
0.5261


■ 90.0123, 0.3654,
0.4530

■ 84.2356, 0.3827,
0.5334

■ 91.7054, 0.3555,
0.4271

■ 84.0320, 0.3821,
0.5348

■ 93.6086, 0.3445,
0.4002

 95.7323, 0.3329,
0.3734

 98.0864, 0.3213,
0.3475

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



87.2046, 0.4533, 0.4535



87.2046, 0.3797, 0.4976



87.2046, 0.2935, 0.4841

Triad

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



87.2046, 0.3797, 0.4976



87.2046, 0.1589, 0.2293



87.2046, 0.4057, 0.2661

Complementary

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



87.2046, 0.3797, 0.4976



17.3207, 0.2017, 0.1216

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.



87.2046, 0.3101, 0.2207



87.2046, 0.3797, 0.4976



87.2046, 0.1783, 0.1975

Square

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



87.2046, 0.3797, 0.4976



87.2046, 0.1708, 0.2990



87.2046, 0.2290, 0.1963



87.2046, 0.4774, 0.3250

Rectangle

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



87.2046, 0.3797, 0.4976



87.2046, 0.2399, 0.4337



87.2046, 0.2290, 0.1963



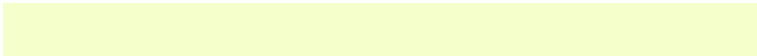
87.2046, 0.3743, 0.2490

Sweetspot

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



87.2085, 0.3797, 0.4976



95.1734, 0.3359, 0.3802



34.6957, 0.5116, 0.3607



20.2418, 0.3392, 0.3877



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.



87.2085, 0.3797, 0.4976



85.7078, 0.3839, 0.5189



77.2591, 0.3256, 0.5324



20.8878, 0.3237, 0.3527



43.9760, 0.3827, 0.5343



4.3276, 0.3871, 0.5308

Inverse Universe

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



17.3207, 0.2017, 0.1216



11.6271, 0.1798, 0.0889



26.1548, 0.2710, 0.1545



17.5606, 0.3011, 0.3046



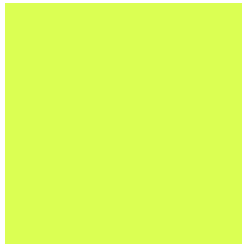
4.2233, 0.1604, 0.0657



0.4554, 0.1705, 0.0713

Previews

White Background



This preview shows how the Yxy color 87.2046, 0.3797, 0.4976 looks on a white background.

Color Contrast Check

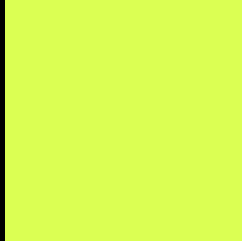
Large Text (above 18pt) WCAG AA × Fail

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 87.2046, 0.3797, 0.4976 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 87.2046, 0.3797, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 87.2046, 0.3797, 0.4976.

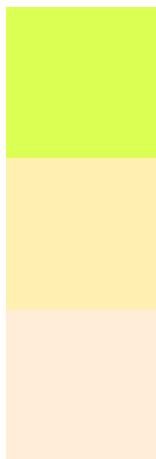


This preview shows how white text looks on a background with the Yxy color 87.2046, 0.3797, 0.4976.

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

87.2046, 0.3797, 0.4976

Protanopia

86.7945, 0.3625, 0.3912

Deuteranopia

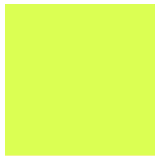
86.7347, 0.3390, 0.3510



Tritanopia

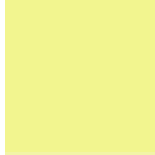
86.5462, 0.3025, 0.3121

Trichromacy



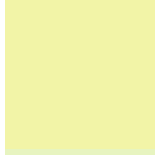
Original Color

87.2046, 0.3797, 0.4976



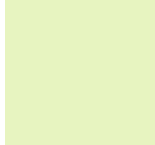
Protanomaly

86.1652, 0.3728, 0.4328



Deuteranomaly

86.3686, 0.3590, 0.4083



Tritanomaly

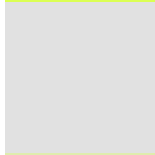
85.4961, 0.3359, 0.3838

Monochromacy



Original Color

87.2046, 0.3797, 0.4976



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.6960, 0.3436, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2046, 0.3797, 0.4976 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(219, 255, 83)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 83)  
}
```

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(219, 255, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 83) }
```

Border

The CSS property to change the border of an element to Yxy 87.2046, 0.3797, 0.4976 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(219, 255, 83) }
```

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

```
.border{ border-color:rgb(219, 255, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 83);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2046, 0.3797, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 83) }
```

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

```
.background{ background-color: rgb(219,  
255, 83) }
```

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