

Converting Colors

Yxy(87.4730, 0.3723, 0.4843)

Have a look what the booklet for
Yxy(87.4730, 0.3723, 0.4843)
contains.

Yxy(87.5394, 0.3726, 0.4841)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.5394, 0.3726, 0.4841)

Conversions

Conversions Part 1

Format	Color
Hex	DBFF66
RGB	219, 255, 102
RGB Percent	86%, 100%, 40%
CMY	0.1411, 0.0000, 0.6000
CMYK	0.14, 0.00, 0.60, 0.00
HSL	74°, 100%, 70%
HSV	74°, 60%, 100%
XYZ	67.3769, 87.5394, 25.9128
YIQ	226.7940, 27.6570, -55.2150

Conversions

Conversions Part 2

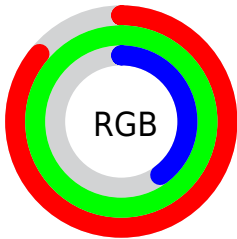
Format	Color
RYB	102, 255, 138
Decimal	14417766
CIELab	94.97, -32.48, 67.38
CIELCh	95, 74.802, 115.738
Yxy	87.5394, 0.3726, 0.4841
Android (android.graphics.Color)	4292607846 (0xFFDBFF66)
YUV	226.7940, -61.5234, -6.8353
Hunter-Lab	93.5625, -35.1916, 49.0729

Details

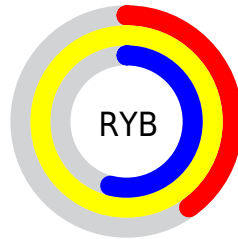
The Yxy color **87.5394, 0.3726, 0.4841** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **22.1217, 0.2182, 0.1450**, and the grayscale version is **77.1036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **48.1397, 0.3791, 0.5166** is the 20% darker color. If you saturate the color by 10%, you get **86.1993, 0.3776, 0.5044**, and if you desaturate by 10%, it is **89.0761, 0.3653, 0.4604**.

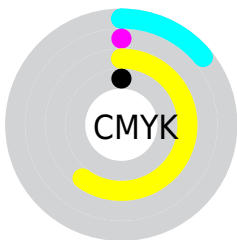
Distribution



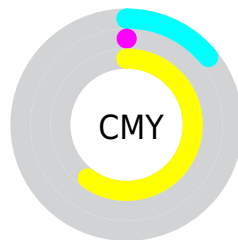
- Red (86%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (54%)



- Cyan (14%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5394, 0.3726, 0.4841 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 87.5394, 0.3726, 0.4841 by changing the saturation by 10% instead.


 87.5394, 0.3726,
0.4841


 87.5394, 0.3726,
0.4841


519.9937, 0.3507,
0.4138


 65.9417, 0.3758,
0.4990

 143.9157, 0.3664,
0.4605


 48.2251, 0.3789,
0.5167


 179.4631, 0.3635,
0.4510

 34.0051, 0.3812,
0.5377


 220.4292, 0.3609,
0.4428

 22.8976, 0.3818,
0.5626

 267.1984, 0.3585,
0.4356

 14.5179, 0.3789,
0.5922

320.1550, 0.3563,
0.4292

 8.4817, 0.3703,
0.6297

379.6835, 0.3543,

 4.4047, 0.3406,

0.4235

0.6594

446.1683, 0.3524,
0.4184

■ 1.9024, 0.2913,
0.7087

■ 0.5498, 0.0000,
1.0000

■ 87.5394, 0.3726,
0.4841

■ 87.5394, 0.3726,
0.4841

■ 86.1993, 0.3776,
0.5044

■ 89.0761, 0.3653,
0.4604

■ 85.0293, 0.3800,
0.5204

■ 90.8113, 0.3563,
0.4345

■ 84.0152, 0.3799,
0.5316

■ 92.7607, 0.3460,
0.4074

■ 83.1281, 0.3775,
0.5385

■ 94.9352, 0.3350,
0.3804

97.3449, 0.3238,
0.3540

99.9992, 0.3127,
0.3290

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.



87.5394, 0.4410, 0.4482



87.5394, 0.3726, 0.4841



87.5394, 0.2927, 0.4664

Triad

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



87.5394, 0.3726, 0.4841



87.5394, 0.1699, 0.2357



87.5394, 0.4017, 0.2736

Complementary

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



87.5394, 0.3726, 0.4841



22.1217, 0.2182, 0.1450

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.



87.5394, 0.3149, 0.2301



87.5394, 0.3726, 0.4841



87.5394, 0.1896, 0.2066

Square

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



87.5394, 0.3726, 0.4841



87.5394, 0.1801, 0.2989



87.5394, 0.2387, 0.2062



87.5394, 0.4651, 0.3295

Rectangle

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



87.5394, 0.3726, 0.4841



87.5394, 0.2435, 0.4195



87.5394, 0.2387, 0.2062



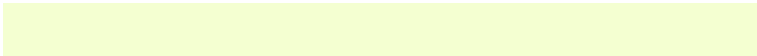
87.5394, 0.3735, 0.2573

Sweetspot

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



87.5431, 0.3726, 0.4841



95.3988, 0.3328, 0.3750



40.3085, 0.4765, 0.3646



20.2758, 0.3360, 0.3828



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.



87.5431, 0.3726, 0.4841



85.9523, 0.3783, 0.5080



78.3005, 0.3236, 0.5124



20.8629, 0.3233, 0.3527



43.5078, 0.3782, 0.5379



4.2857, 0.3831, 0.5340

Inverse Universe

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



22.1217, 0.2182, 0.1450



15.3931, 0.1969, 0.1108



31.0472, 0.2817, 0.1729



17.5838, 0.3015, 0.3047



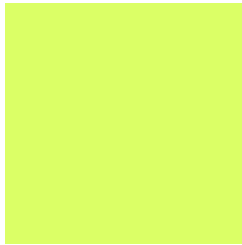
4.3297, 0.1628, 0.0671



0.4688, 0.1735, 0.0729

Previews

White Background



This preview shows how the Yxy color 87.5394, 0.3726, 0.4841 looks on a white background.

Color Contrast Check

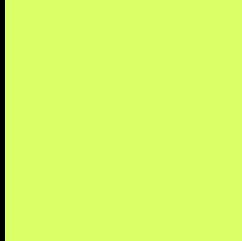
Large Text (above 18pt) WCAG AA × Fail

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 87.5394, 0.3726, 0.4841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

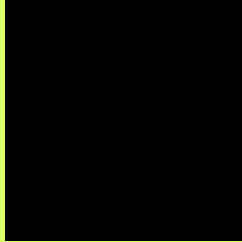
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.5394, 0.3726, 0.4841

Background



This preview shows how black text looks on a background with the Yxy color 87.5394, 0.3726, 0.4841.

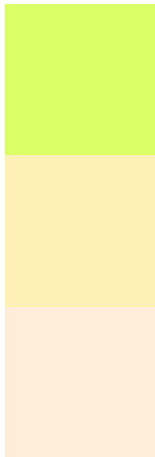


This preview shows how white text looks on a background with the Yxy color 87.5394, 0.3726, 0.4841.

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

87.5394, 0.3726, 0.4841

Protanopia

86.9164, 0.3606, 0.3882

Deuteranopia

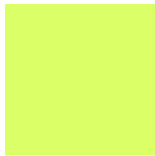
86.8381, 0.3377, 0.3489



Tritanopia

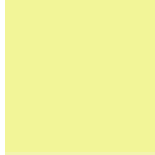
86.9575, 0.3018, 0.3131

Trichromacy



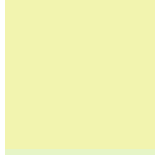
Original Color

87.5394, 0.3726, 0.4841



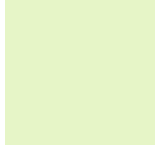
Protanomaly

86.4491, 0.3676, 0.4241



Deuteranomaly

86.6738, 0.3541, 0.4001



Tritanomaly

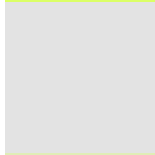
86.2513, 0.3308, 0.3774

Monochromacy



Original Color

87.5394, 0.3726, 0.4841



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.7931, 0.3384, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5394, 0.3726, 0.4841 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 87.5394, 0.3726, 0.4841 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, 102) }
```

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

```
.border{ border-color:rgb(219, 255, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5394, 0.3726, 0.4841 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, 102) }
```

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

```
.background{ background-color: rgb(219,  
255, 102) }
```

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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