

Converting Colors

$Yxy(87.4390, 0.3871, 0.5062)$

Have a look what the booklet for
Yxy(87.4390, 0.3871, 0.5062)
contains.

Yxy(87.4429, 0.3869, 0.5060)	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(87.4429, 0.3869, 0.5060)

Conversions

Conversions Part 1

Format	Color
Hex	DEFF42
RGB	222, 255, 66
RGB Percent	87%, 100%, 26%
CMY	0.1295, 0.0000, 0.7412
CMYK	0.13, 0.00, 0.74, 0.00
HSL	70°, 100%, 63%
HSV	70°, 74%, 100%
XYZ	66.8610, 87.4429, 18.5082
YIQ	223.5870, 41.0010, -65.7750

Conversions

Conversions Part 2

Format	Color
RYB	66, 255, 99
Decimal	14614338
CIELab	94.93, -33.45, 80.46
CIElCh	95, 87.138, 112.573
Yxy	87.4429, 0.3869, 0.5060
Android (android.graphics.Color)	4292804418 (0xFFDEFF42)
YUV	223.5870, -77.6904, -1.3918
Hunter-Lab	93.5109, -36.0153, 53.7226

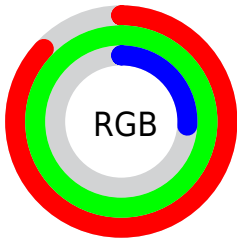
Details

The Yxy color **87.4429, 0.3869, 0.5060** is a light color, and the websafe version is hex **CCFF33**.

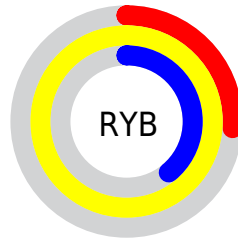
The color can be described as light washed yellow. A complement of this color would be **13.7717, 0.1865, 0.1021**, and the grayscale version is **74.7675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3123, 0.3864, 0.4509**, and **48.1747, 0.3883, 0.5299** is the 20% darker color. If you saturate the color by 10%, you get **86.5073, 0.3893, 0.5188**, and if you desaturate by 10%, it is **88.5220, 0.3818, 0.4887**.

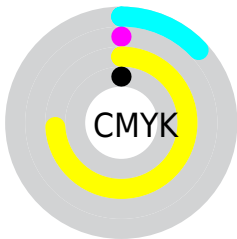
Distribution



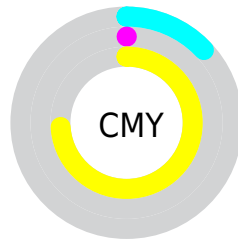
- Red (87%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (39%)



- Cyan (13%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4429, 0.3869, 0.5060 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 87.4429, 0.3869, 0.5060 by changing the saturation by 10% instead.


 87.4429, 0.3869,
0.5060

 87.4429, 0.3869,
0.5060


519.6771, 0.3613,
0.4279


 65.8618, 0.3900,
0.5217


 143.7813, 0.3802,
0.4804

 48.1602, 0.3925,
0.5397


 179.3074, 0.3769,
0.4700


 33.9538, 0.3935,
0.5602


 220.2506, 0.3738,
0.4608

 22.8581, 0.3915,
0.5831

 266.9953, 0.3709,
0.4527

 14.4888, 0.3871,
0.6129

 319.9259, 0.3683,
0.4454

 8.4614, 0.3666,
0.6334


379.4268, 0.3658,


 4.3916, 0.3359,


0.4389


0.6641


445.8824, 0.3635,
0.4331


 1.8949, 0.2846,
0.7154

 0.5453, 0.0000,
1.0000


 87.4429, 0.3869,
0.5060


 87.4429, 0.3869,
0.5060


 86.5073, 0.3893,
0.5188

 88.5220, 0.3818,
0.4887

 85.7093, 0.3891,
0.5269

 89.7741, 0.3744,
0.4675

 85.2856, 0.3882,
0.5300

 91.2083, 0.3649,
0.4434

 92.8370, 0.3539,
0.4175

94.6713, 0.3421,
0.3909

96.7212, 0.3298,
0.3646

98.9962, 0.3176,
0.3391

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.



87.4429, 0.4636, 0.4548



87.4429, 0.3869, 0.5060



87.4429, 0.2964, 0.4984

Triad

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



87.4429, 0.3869, 0.5060



87.4429, 0.1513, 0.2263



87.4429, 0.4056, 0.2593

Complementary

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



87.4429, 0.3869, 0.5060



13.7717, 0.1865, 0.1021

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.



87.4429, 0.3038, 0.2131



87.4429, 0.3869, 0.5060



87.4429, 0.1696, 0.1917

Square

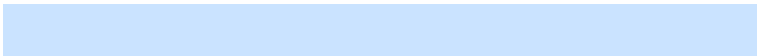
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4429, 0.3869, 0.5060



87.4429, 0.1651, 0.3019



87.4429, 0.2202, 0.1892



87.4429, 0.4846, 0.3198

Rectangle

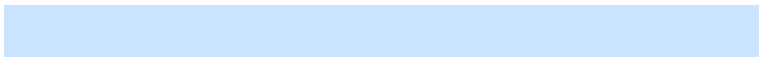
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4429, 0.3869, 0.5060



87.4429, 0.2395, 0.4470



87.4429, 0.2202, 0.1892



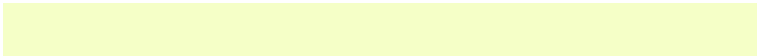
87.4429, 0.3718, 0.2418

Sweetspot

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



87.4384, 0.3869, 0.5060



95.0866, 0.3395, 0.3853



30.2964, 0.5451, 0.3548



20.2389, 0.3428, 0.3925



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.



87.4384, 0.3869, 0.5060



86.1023, 0.3895, 0.5233



76.5808, 0.3274, 0.5474



20.9207, 0.3242, 0.3527



44.6223, 0.3887, 0.5296



4.3850, 0.3924, 0.5266

Inverse Universe

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



13.7717, 0.1865, 0.1021



9.2715, 0.1661, 0.0739



22.3238, 0.2596, 0.1388



17.5303, 0.3006, 0.3046



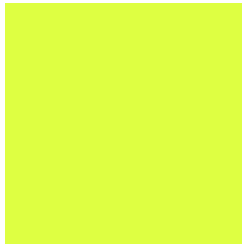
4.1030, 0.1577, 0.0642



0.4394, 0.1669, 0.0693

Previews

White Background



This preview shows how the Yxy color 87.4429, 0.3869, 0.5060 looks on a white background.

Color Contrast Check

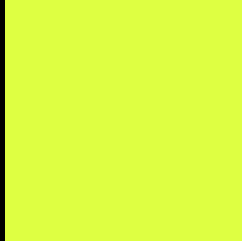
Large Text (above 18pt) WCAG AA × Fail

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 87.4429, 0.3869, 0.5060 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 87.4429, 0.3869, 0.5060

Background



This preview shows how black text looks on a background with the Yxy color 87.4429, 0.3869, 0.5060.

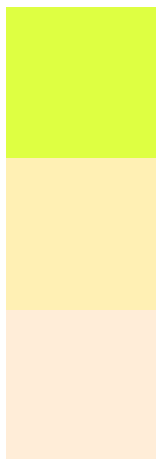


This preview shows how white text looks on a background with the Yxy color 87.4429, 0.3869, 0.5060.

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

87.4429, 0.3869, 0.5060

Protanopia

86.8755, 0.3613, 0.3892

Deuteranopia

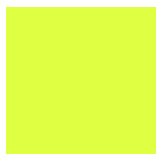
86.7862, 0.3384, 0.3499



Tritanopia

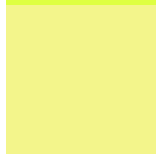
87.0698, 0.3044, 0.3122

Trichromacy



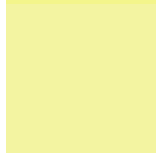
Original Color

87.4429, 0.3869, 0.5060



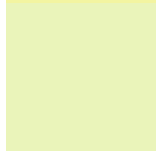
Protanomaly

86.2236, 0.3758, 0.4362



Deuteranomaly

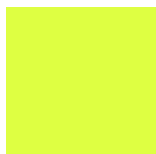
86.3293, 0.3634, 0.4141



Tritanomaly

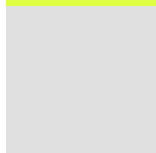
85.7390, 0.3417, 0.3899

Monochromacy



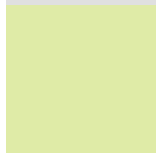
Original Color

87.4429, 0.3869, 0.5060



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.8947, 0.3476, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4429, 0.3869, 0.5060 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 66) }
```

Border

The CSS property to change the border of an element to Yxy 87.4429, 0.3869, 0.5060 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, 66) }
```

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

```
.border{ border-color:rgb(222, 255, 66) }
```

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, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4429, 0.3869, 0.5060 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, 66) }
```

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

```
.background{ background-color: rgb(222,  
255, 66) }
```

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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