

Converting Colors

$Yxy(88.0089, 0.3747, 0.4829)$

Have a look what the booklet for
Yxy(88.0089, 0.3747, 0.4829)
contains.

Yxy(88.0089, 0.3747, 0.4829)	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(88.0089, 0.3747, 0.4829)

Conversions

Conversions Part 1

Format	Color
Hex	DEFF66
RGB	222, 255, 102
RGB Percent	87%, 100%, 40%
CMY	0.1293, 0.0000, 0.6001
CMYK	0.13, 0.00, 0.60, 0.00
HSL	73°, 100%, 70%
HSV	73°, 60%, 100%
XYZ	68.2894, 88.0089, 25.9525
YIQ	227.6910, 29.4450, -54.5790

Conversions

Conversions Part 2

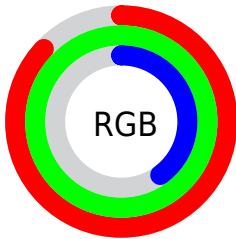
Format	Color
RYB	102, 255, 135
Decimal	14614374
CIELab	95.16, -31.33, 67.66
CIELCh	95, 74.562, 114.849
Yxy	88.0089, 0.3747, 0.4829
Android (android.graphics.Color)	4292804454 (0xFFDEFF66)
YUV	227.6910, -61.9657, -4.9910
Hunter-Lab	93.8131, -34.2373, 49.2671

Details

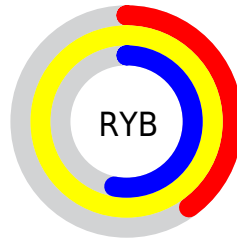
The Yxy color **88.0089, 0.3747, 0.4829** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.8654, 0.2160, 0.1441**, and the grayscale version is **77.7956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **48.4551, 0.3818, 0.5147** is the 20% darker color. If you saturate the color by 10%, you get **86.7289, 0.3801, 0.5028**, and if you desaturate by 10%, it is **89.4806, 0.3671, 0.4596**.

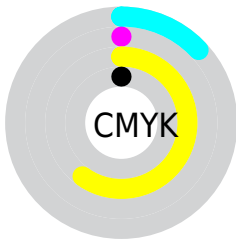
Distribution



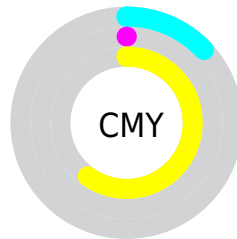
- Red (87%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (53%)



- Cyan (13%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.0089, 0.3747, 0.4829 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 88.0089, 0.3747, 0.4829 by changing the saturation by 10% instead.

 88.0089, 0.3747,
0.4829


 88.0089, 0.3747,
0.4829


521.5324, 0.3519,
0.4134

 66.3304, 0.3782,
0.4976


 144.5695, 0.3682,
0.4596


 48.5407, 0.3815,
0.5150


 180.2205, 0.3652,
0.4503

 34.2553, 0.3841,
0.5355


 221.2978, 0.3625,
0.4421

 23.0898, 0.3851,
0.5598

 268.1858, 0.3600,
0.4350

 14.6598, 0.3827,
0.5886

321.2688, 0.3577,
0.4286

 8.5810, 0.3751,
0.6249

380.9313, 0.3556,

 4.4689, 0.3467,

0.4230

0.6533

447.5577, 0.3536,
0.4180

■ 1.9392, 0.2999,
0.7001

■ 0.5718, 0.0000,
1.0000

■ 88.0089, 0.3747,
0.4829

■ 88.0089, 0.3747,
0.4829

■ 86.7289, 0.3801,
0.5028

■ 89.4806, 0.3671,
0.4596

■ 85.6137, 0.3828,
0.5183


■ 91.1454, 0.3577,
0.4340

■ 84.6493, 0.3830,
0.5291

■ 93.0190, 0.3470,
0.4072

■ 83.8072, 0.3810,
0.5357

■ 95.1121, 0.3357,
0.3803

 97.4349, 0.3241,
0.3540

99.9967, 0.3127,
0.3290

99.9990, 0.3127,
0.3290

Harmonies

Analogous

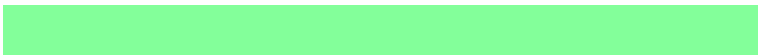
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0089, 0.4421, 0.4462



88.0089, 0.3747, 0.4829



88.0089, 0.2952, 0.4671

Triad

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



88.0089, 0.3747, 0.4829



88.0089, 0.1703, 0.2375



88.0089, 0.3989, 0.2724

Complementary

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



88.0089, 0.3747, 0.4829



21.8654, 0.2160, 0.1441

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.



88.0089, 0.3124, 0.2295



88.0089, 0.3747, 0.4829



88.0089, 0.1891, 0.2075

Square

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



88.0089, 0.3747, 0.4829



88.0089, 0.1815, 0.3015



88.0089, 0.2372, 0.2063



88.0089, 0.4632, 0.3279

Rectangle

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



88.0089, 0.3747, 0.4829



88.0089, 0.2458, 0.4215



88.0089, 0.2372, 0.2063



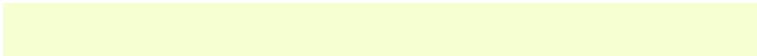
88.0089, 0.3706, 0.2563

Sweetspot

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



88.0129, 0.3747, 0.4829



95.5610, 0.3334, 0.3749



38.8802, 0.4804, 0.3594



20.3158, 0.3367, 0.3827



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.



88.0129, 0.3747, 0.4829



86.4949, 0.3808, 0.5062



78.7632, 0.3265, 0.5107



20.8817, 0.3236, 0.3527



43.8594, 0.3816, 0.5352



4.3172, 0.3861, 0.5316

Inverse Universe

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



21.8654, 0.2160, 0.1441



15.1540, 0.1946, 0.1097



30.2879, 0.2771, 0.1709



17.5663, 0.3012, 0.3047



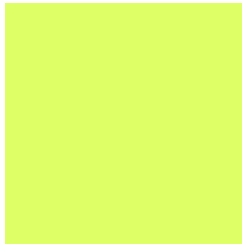
4.2482, 0.1610, 0.0661



0.4586, 0.1712, 0.0717

Previews

White Background



This preview shows how the Yxy color 88.0089, 0.3747, 0.4829 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 88.0089, 0.3747, 0.4829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

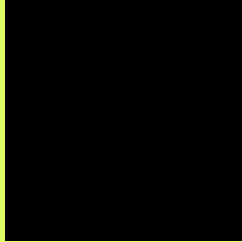
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.0089, 0.3747, 0.4829

Background



This preview shows how black text looks on a background with the Yxy color 88.0089, 0.3747, 0.4829.

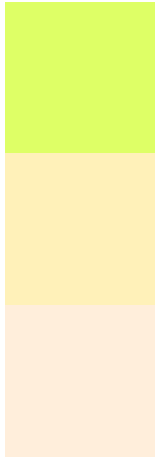


This preview shows how white text looks on a background with the Yxy color 88.0089, 0.3747, 0.4829.

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

88.0089, 0.3747, 0.4829

Protanopia

87.6734, 0.3578, 0.3851

Deuteranopia

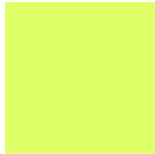
87.5235, 0.3363, 0.3479



Tritanopia

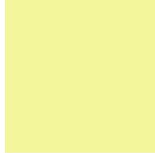
87.4783, 0.3037, 0.3131

Trichromacy



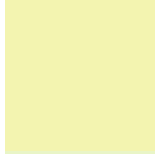
Original Color

88.0089, 0.3747, 0.4829



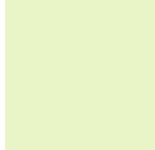
Protanomaly

87.3328, 0.3663, 0.4218



Deuteranomaly

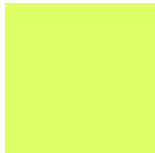
86.8906, 0.3542, 0.3989



Tritanomaly

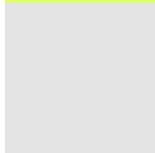
86.7520, 0.3328, 0.3771

Monochromacy



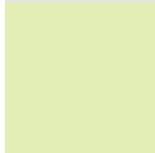
Original Color

88.0089, 0.3747, 0.4829



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.6952, 0.3397, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.0089, 0.3747, 0.4829 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 88.0089, 0.3747, 0.4829 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, 102) }
```

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

```
.border{ border-color:rgb(222, 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(222, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 88.0089, 0.3747, 0.4829 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, 102) }
```

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

```
.background{ background-color: rgb(222,  
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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