

Converting Colors

$Yxy(88.8770, 0.4171, 0.4903)$

Have a look what the booklet for
Yxy(88.8770, 0.4171, 0.4903)
contains.

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Color

Yxy(88.6706, 0.4173, 0.4901)

Conversions

Conversions Part 1

Format	Color
Hex	FFF837
RGB	255, 248, 55
RGB Percent	100%, 97%, 22%
CMY	0.0000, 0.0274, 0.7842
CMYK	0.00, 0.03, 0.78, 0.00
HSL	58°, 100%, 61%
HSV	58°, 78%, 100%
XYZ	75.4994, 88.6706, 16.7535
YIQ	228.0910, 66.1250, -58.5390

Conversions

Conversions Part 2

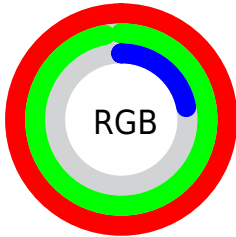
Format	Color
RYB	62, 255, 55
Decimal	16775223
CIELab	95.44, -17.29, 84.97
CIELCh	95, 86.713, 101.505
Yxy	88.6706, 0.4173, 0.4901
Android (android.graphics.Color)	4294965303 (0xFFFFF837)
YUV	228.0910, -85.3339, 23.5992
Hunter-Lab	94.1651, -21.6717, 55.3669

Details

The Yxy color **88.6706, 0.4173, 0.4901** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.4817, 0.1661, 0.0893**, and the grayscale version is **78.2581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0880, 0.3907, 0.4580**, and **49.1686, 0.4211, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **87.9415, 0.4225, 0.4970**, and if you desaturate by 10%, it is **89.5344, 0.4093, 0.4787**.

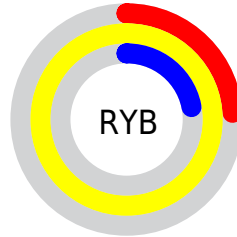
Distribution



Red (100%)

Green (97%)

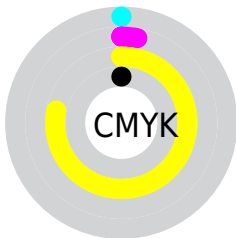
Blue (22%)



Red (24%)

Yellow (100%)

Blue (22%)

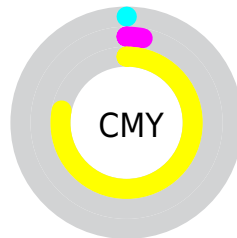


Cyan (0%)

Magenta (3%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6706, 0.4173, 0.4901 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 88.6706, 0.4173, 0.4901 by changing the saturation by 10% instead.


 88.6706, 0.4173,
0.4901

 88.6706, 0.4173,
0.4901


523.6968, 0.3785,
0.4230


 66.8786, 0.4231,
0.5025


 145.4904, 0.4062,
0.4691


 48.9860, 0.4288,
0.5161


 181.2870, 0.4012,
0.4602

 34.6083, 0.4336,
0.5308


 222.5206, 0.3966,
0.4523

 23.3613, 0.4365,
0.5462

 269.5755, 0.3923,
0.4451

 14.8605, 0.4370,
0.5630

 322.8362, 0.3884,
0.4388

 8.7216, 0.4269,
0.5731

382.6870, 0.3848,

 4.5600, 0.4119,

0.4330

0.5881

449.5125, 0.3815,
0.4278

■ 1.9915, 0.3869,
0.6131

■ 0.6025, 0.1998,
0.8002

■ 88.6706, 0.4173,
0.4901

■ 88.6706, 0.4173,
0.4901

■ 87.9415, 0.4225,
0.4970

■ 89.5344, 0.4093,
0.4787

■ 87.3143, 0.4253,
0.4999


■ 90.5412, 0.3988,
0.4631


■ 87.2196, 0.4257,
0.5002

■ 91.7082, 0.3860,
0.4438

■ 93.0482, 0.3717,
0.4218

 94.5726, 0.3565,
0.3980

 96.2919, 0.3408,
0.3735

 98.2156, 0.3253,
0.3490

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.



88.6706, 0.4827, 0.4297



88.6706, 0.4173, 0.4901



88.6706, 0.3301, 0.5090

Triad

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



88.6706, 0.4173, 0.4901



88.6706, 0.1536, 0.2499



88.6706, 0.3676, 0.2408

Complementary

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



88.6706, 0.4173, 0.4901



11.4817, 0.1661, 0.0893

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.



88.6706, 0.2699, 0.2023



88.6706, 0.4173, 0.4901



88.6706, 0.1603, 0.2013

Square

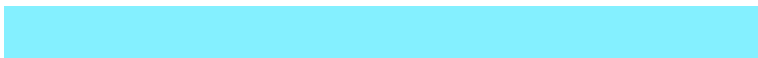
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.6706, 0.4173, 0.4901



88.6706, 0.1803, 0.3401



88.6706, 0.1985, 0.1879



88.6706, 0.4598, 0.2968

Rectangle

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



88.6706, 0.4173, 0.4901



88.6706, 0.2706, 0.4780



88.6706, 0.1985, 0.1879



88.6706, 0.3335, 0.2256

Sweetspot

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



88.6736, 0.4173, 0.4901



95.3076, 0.3496, 0.3872



24.3777, 0.5781, 0.3235



20.2722, 0.3551, 0.3959



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.



88.6736, 0.4173, 0.4901



87.5811, 0.4243, 0.4991



79.7971, 0.3510, 0.5390



20.9753, 0.3270, 0.3517



45.6226, 0.4256, 0.5003



4.4749, 0.4248, 0.5009

Inverse Universe

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



11.4817, 0.1661, 0.0893



7.9645, 0.1526, 0.0654



15.9771, 0.2173, 0.1116



17.4795, 0.2978, 0.3053



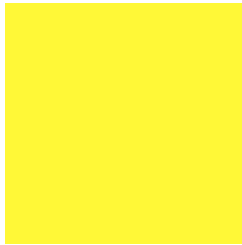
3.9179, 0.1506, 0.0621



0.4157, 0.1520, 0.0670

Previews

White Background



This preview shows how the Yxy color 88.6706, 0.4173, 0.4901 looks on a white background.

Color Contrast Check

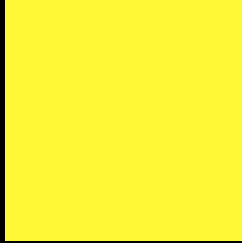
Large Text (above 18pt) WCAG AA × Fail

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 88.6706, 0.4173, 0.4901 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 88.6706, 0.4173, 0.4901

Background



This preview shows how black text looks on a background with the Yxy color 88.6706, 0.4173, 0.4901.

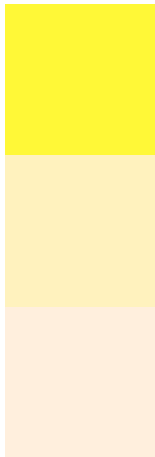


This preview shows how white text looks on a background with the Yxy color 88.6706, 0.4173, 0.4901.

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

88.6706, 0.4173, 0.4901

Protanopia

88.4820, 0.3543, 0.3810

Deuteranopia

88.2135, 0.3348, 0.3469



Tritanopia

88.4209, 0.3197, 0.3212

Trichromacy



Original Color

88.6706, 0.4173, 0.4901



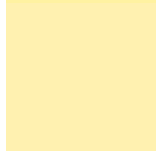
Protanomaly

87.8845, 0.3837, 0.4301



Deuteranomaly

87.3375, 0.3726, 0.4097



Tritanomaly

87.3052, 0.3635, 0.3941

Monochromacy



Original Color

88.6706, 0.4173, 0.4901



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3104, 0.3599, 0.4028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6706, 0.4173, 0.4901 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(255, 248, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 55)  
}
```

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(255, 248, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 55) }
```

Border

The CSS property to change the border of an element to Yxy 88.6706, 0.4173, 0.4901 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(255, 248, 55) }
```

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

```
.border{ border-color:rgb(255, 248, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6706, 0.4173, 0.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 55) }
```

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

```
.background{ background-color: rgb(255,  
248, 55) }
```

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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