

Converting Colors

Yxy(87.6422, 0.4153, 0.4837)

Have a look what the booklet for
Yxy(87.6422, 0.4153, 0.4837)
contains.

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Color

Yxy(87.5768, 0.4154, 0.4838)

Conversions

Conversions Part 1

Format	Color
Hex	FFF643
RGB	255, 246, 67
RGB Percent	100%, 96%, 26%
CMY	0.0002, 0.0352, 0.7373
CMYK	0.00, 0.04, 0.74, 0.00
HSL	57°, 100%, 63%
HSV	57°, 74%, 100%
XYZ	75.1951, 87.5768, 18.2467
YIQ	228.2850, 62.8230, -53.7610

Conversions

Conversions Part 2

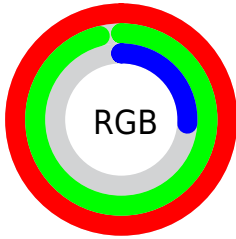
Format	Color
RYB	76, 255, 67
Decimal	16774723
CIELab	94.98, -15.93, 81.08
CIELCh	95, 82.635, 101.118
Yxy	87.5768, 0.4154, 0.4838
Android (android.graphics.Color)	4294964803 (0xFFFFFFFF643)
YUV	228.2850, -79.5135, 23.4291
Hunter-Lab	93.5825, -20.3415, 53.9474

Details

The Yxy color **87.5768, 0.4154, 0.4838** 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 **13.5657, 0.1731, 0.1024**, and the grayscale version is **78.3587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3123, 0.3864, 0.4509**, and **48.2962, 0.4230, 0.5024** is the 20% darker color. If you saturate the color by 10%, you get **86.6050, 0.4223, 0.4927**, and if you desaturate by 10%, it is **88.6962, 0.4058, 0.4705**.

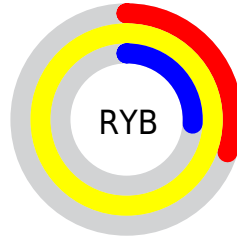
Distribution



Red (100%)

Green (96%)

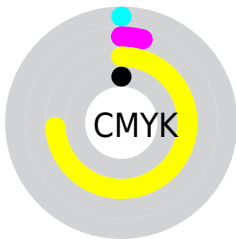
Blue (26%)



Red (30%)

Yellow (100%)

Blue (26%)

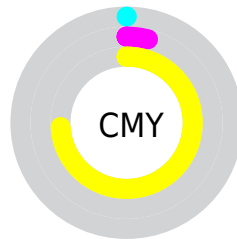


Cyan (0%)

Magenta (4%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5768, 0.4154, 0.4838 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 87.5768, 0.4154, 0.4838 by changing the saturation by 10% instead.


 87.5768, 0.4154,
0.4838


 87.5768, 0.4154,
0.4838


520.1163, 0.3764,
0.4187


 65.9726, 0.4216,
0.4960


 143.9678, 0.4040,
0.4632

 48.2502, 0.4278,
0.5097


 179.5235, 0.3989,
0.4546

 34.0251, 0.4334,
0.5245


 220.4984, 0.3943,
0.4469

 22.9129, 0.4373,
0.5401

 267.2771, 0.3901,
0.4400

 14.5292, 0.4407,
0.5593

 320.2438, 0.3862,
0.4338

 8.4896, 0.4313,
0.5687


379.7830, 0.3826,


 4.4098, 0.4172,


0.4283


0.5828


446.2790, 0.3794,
0.4233

 1.9053, 0.3937,
0.6063

 0.5516, 0.1970,
0.8030


 87.5768, 0.4154,
0.4838


 87.5768, 0.4154,
0.4838


 86.6050, 0.4223,
0.4927


 88.6962, 0.4058,
0.4705

 85.7492, 0.4265,
0.4972


 89.9665, 0.3939,
0.4532


 85.2567, 0.4280,
0.4983

 91.4054, 0.3800,
0.4326

 93.0248, 0.3650,
0.4099

 94.8358, 0.3493,
0.3859

 96.8484, 0.3336,
0.3616

 99.0717, 0.3183,
0.3377

99.9907, 0.3127,
0.3290

Harmonies

Analogous

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



87.5768, 0.4773, 0.4266



87.5768, 0.4154, 0.4838



87.5768, 0.3316, 0.5009

Triad

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



87.5768, 0.4154, 0.4838



87.5768, 0.1592, 0.2544



87.5768, 0.3643, 0.2434

Complementary

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



87.5768, 0.4154, 0.4838



13.5657, 0.1731, 0.1024

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.



87.5768, 0.2708, 0.2063



87.5768, 0.4154, 0.4838



87.5768, 0.1651, 0.2065

Square

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



87.5768, 0.4154, 0.4838



87.5768, 0.1859, 0.3415



87.5768, 0.2020, 0.1926



87.5768, 0.4526, 0.2977

Rectangle

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



87.5768, 0.4154, 0.4838



87.5768, 0.2740, 0.4715



87.5768, 0.2020, 0.1926



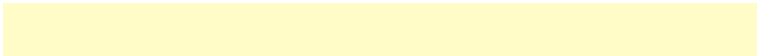
87.5768, 0.3317, 0.2287

Sweetspot

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



87.5809, 0.4154, 0.4838



95.2104, 0.3466, 0.3817



25.7897, 0.5577, 0.3229



20.2676, 0.3508, 0.3883



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.



87.5809, 0.4154, 0.4838



86.2635, 0.4244, 0.4951



80.4805, 0.3516, 0.5298



20.9340, 0.3270, 0.3514



44.6325, 0.4279, 0.4985



4.3895, 0.4268, 0.4993

Inverse Universe

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



13.5657, 0.1731, 0.1024



9.1090, 0.1567, 0.0735



17.8624, 0.2238, 0.1215



17.5160, 0.2978, 0.3056



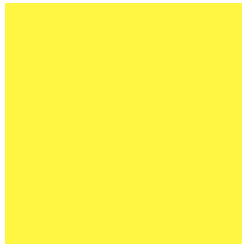
3.9698, 0.1508, 0.0628



0.4331, 0.1527, 0.0695

Previews

White Background



This preview shows how the Yxy color 87.5768, 0.4154, 0.4838 looks on a white background.

Color Contrast Check

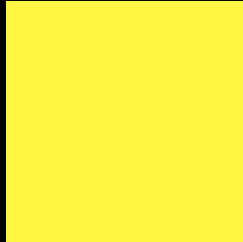
Large Text (above 18pt) WCAG AA × Fail

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 87.5768, 0.4154, 0.4838 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 87.5768, 0.4154, 0.4838

Background



This preview shows how black text looks on a background with the Yxy color 87.5768, 0.4154, 0.4838.

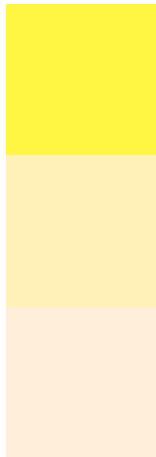


This preview shows how white text looks on a background with the Yxy color 87.5768, 0.4154, 0.4838.

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

87.5768, 0.4154, 0.4838

Protanopia

87.5895, 0.3591, 0.3871

Deuteranopia

87.4188, 0.3376, 0.3499



Tritanopia

87.2083, 0.3205, 0.3203

Trichromacy



Original Color

87.5768, 0.4154, 0.4838



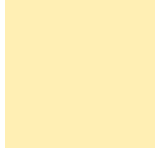
Protanomaly

87.2843, 0.3841, 0.4293



Deuteranomaly

86.7792, 0.3723, 0.4079



Tritanomaly

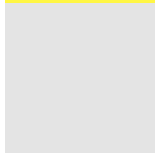
86.2883, 0.3615, 0.3883

Monochromacy



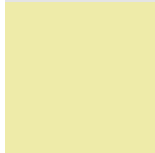
Original Color

87.5768, 0.4154, 0.4838



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.4584, 0.3573, 0.3986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5768, 0.4154, 0.4838 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, 246, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 67)  
}
```

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, 246, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 67) }
```

Border

The CSS property to change the border of an element to Yxy 87.5768, 0.4154, 0.4838 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, 246, 67) }
```

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

```
.border{ border-color:rgb(255, 246, 67) }
```

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

Here you see how a box with a 4 pixel rgb(255, 246, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5768, 0.4154, 0.4838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 67) }
```

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

```
.background{ background-color: rgb(255,  
246, 67) }
```

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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