

Converting Colors

Yxy(87.6183, 0.4041, 0.4898)

Have a look what the booklet for
Yxy(87.6183, 0.4041, 0.4898)
contains.

Yxy(87.4394, 0.4045, 0.4891)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.4394, 0.4045, 0.4891)

Conversions

Conversions Part 1

Format	Color
Hex	F4F947
RGB	244, 249, 71
RGB Percent	96%, 98%, 28%
CMY	0.0432, 0.0235, 0.7217
CMYK	0.02, 0.00, 0.71, 0.02
HSL	62°, 94%, 63%
HSV	62°, 71%, 98%
XYZ	72.3149, 87.4394, 19.0218
YIQ	227.2130, 54.1580, -56.4180

Conversions

Conversions Part 2

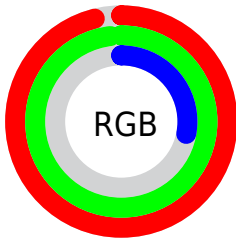
Format	Color
R_{YB}	71, 249, 76
Decimal	16054599
CIE _{Lab}	94.92, -21.67, 79.44
CIE _{LCh}	95, 82.345, 105.254
Y _{xy}	87.4394, 0.4045, 0.4891
Android (android.graphics.Color)	4294244679 (0xFFFF4F947)
YUV	227.2130, -77.0130, 14.7222
Hunter-Lab	93.5090, -25.5984, 53.3954

Details

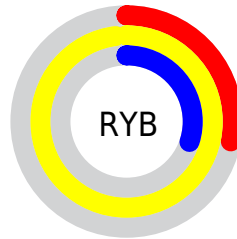
The Yxy color **87.4394, 0.4045, 0.4891** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **12.8804, 0.1770, 0.1021**, and the grayscale version is **77.5195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3917, 0.3850, 0.4484**, and **48.3303, 0.4112, 0.5117** is the 20% darker color. If you saturate the color by 10%, you get **87.0610, 0.4102, 0.5000**, and if you desaturate by 10%, it is **87.9573, 0.3961, 0.4738**.

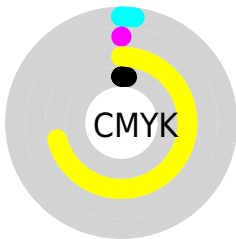
Distribution



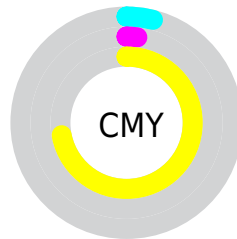
- Red (96%)
- Green (98%)
- Blue (28%)



- Red (28%)
- Yellow (98%)
- Blue (30%)



- Cyan (2%)
- Magenta (0%)
- Yellow (71%)
- Black (2%)





- Cyan (4%)
- Magenta (2%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4394, 0.4045, 0.4891 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 87.4394, 0.4045, 0.4891 by changing the saturation by 10% instead.


 87.4394, 0.4045,
0.4891

 87.4394, 0.4045,
0.4891


519.6656, 0.3702,
0.4203

 65.8589, 0.4097,
0.5025

 143.7764, 0.3947,
0.4670

 48.1579, 0.4148,
0.5176


 179.3017, 0.3902,
0.4578


 33.9519, 0.4191,
0.5345


 220.2441, 0.3861,
0.4497

 22.8567, 0.4214,
0.5527


 266.9879, 0.3824,
0.4425

 14.4877, 0.4233,
0.5767

 319.9176, 0.3789,
0.4360

 8.4606, 0.4103,
0.5897


379.4175, 0.3758,


 4.3911, 0.3908,


0.4302


0.6092


445.8721, 0.3729,
0.4250


 1.8947, 0.3583,
0.6417

 0.5452, 0.0000,
1.0000


 87.4394, 0.4045,
0.4891


 87.4394, 0.4045,
0.4891


 87.0610, 0.4102,
0.5000

 87.9573, 0.3961,
0.4738

 86.7927, 0.4133,
0.5065


 88.6168, 0.3854,
0.4547


 86.6318, 0.4143,
0.5092


 89.4343, 0.3728,
0.4325

 90.4209, 0.3588,
0.4083

 91.5867, 0.3442,
0.3830

 92.9410, 0.3294,
0.3575

 94.4924, 0.3148,
0.3326

 95.2321, 0.3096,
0.3232

 95.3622, 0.3100,
0.3232

Harmonies

Analogous

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



87.4394, 0.4705, 0.4353



87.4394, 0.4045, 0.4891



87.4394, 0.3195, 0.4972

Triad

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



87.4394, 0.4045, 0.4891



87.4394, 0.1585, 0.2457



87.4394, 0.3776, 0.2502

Complementary

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



87.4394, 0.4045, 0.4891



12.8804, 0.1770, 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.



87.4394, 0.2827, 0.2104



87.4394, 0.4045, 0.4891



87.4394, 0.1687, 0.2031

Square

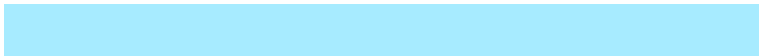
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4394, 0.4045, 0.4891



87.4394, 0.1805, 0.3275



87.4394, 0.2099, 0.1933



87.4394, 0.4615, 0.3061

Rectangle

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



87.4394, 0.4045, 0.4891



87.4394, 0.2629, 0.4607



87.4394, 0.2099, 0.1933



87.4394, 0.3450, 0.2347

Sweetspot

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



87.4435, 0.4045, 0.4891



96.7321, 0.3435, 0.3817



25.4865, 0.5556, 0.3320



20.6271, 0.3476, 0.3888



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.



87.4435, 0.4045, 0.4891



91.7481, 0.4120, 0.5035



75.3850, 0.3440, 0.5300



20.1643, 0.3264, 0.3525



46.3781, 0.4144, 0.5092



4.3031, 0.4150, 0.5087

Inverse Universe

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



12.8804, 0.1770, 0.1021



8.9539, 0.1584, 0.0723



19.1259, 0.2374, 0.1318



16.6664, 0.2983, 0.3045



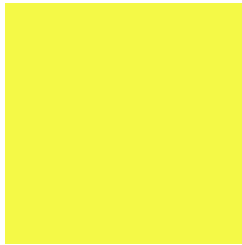
3.6955, 0.1509, 0.0605



0.3503, 0.1529, 0.0616

Previews

White Background



This preview shows how the Yxy color 87.4394, 0.4045, 0.4891 looks on a white background.

Color Contrast Check

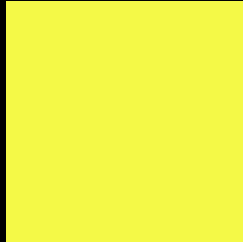
Large Text (above 18pt) WCAG AA × Fail

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 87.4394, 0.4045, 0.4891 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 87.4394, 0.4045, 0.4891

Background



This preview shows how black text looks on a background with the Yxy color 87.4394, 0.4045, 0.4891.

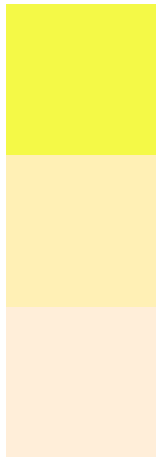


This preview shows how white text looks on a background with the Yxy color 87.4394, 0.4045, 0.4891.

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

87.4394, 0.4045, 0.4891

Protanopia

86.9164, 0.3606, 0.3882

Deuteranopia

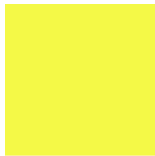
87.4188, 0.3376, 0.3499



Tritanopia

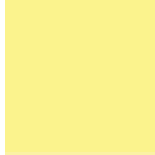
86.8829, 0.3180, 0.3154

Trichromacy



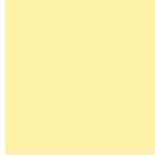
Original Color

87.4394, 0.4045, 0.4891



Protanomaly

86.5335, 0.3812, 0.4304



Deuteranomaly

86.6938, 0.3679, 0.4077



Tritanomaly

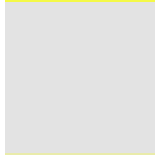
85.7029, 0.3561, 0.3848

Monochromacy



Original Color

87.4394, 0.4045, 0.4891



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.6426, 0.3530, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4394, 0.4045, 0.4891 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(244, 249, 71)` looks like.

```
.text, #text, p{  
    color:rgb(244, 249, 71)  
}
```

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(244, 249, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 249, 71) }
```

Border

The CSS property to change the border of an element to Yxy 87.4394, 0.4045, 0.4891 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(244, 249, 71) }
```

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

```
.border{ border-color:rgb(244, 249, 71) }
```

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

Here you see how a box with a 4 pixel rgb(244, 249, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 249, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 249, 71);  
box-shadow:4px 4px 4px 4px rgb(244, 249,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4394, 0.4045, 0.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 249, 71) }
```

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

```
.background{ background-color: rgb(244,  
249, 71) }
```

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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