

Converting Colors

$Yxy(87.3567, 0.4026, 0.4873)$

Have a look what the booklet for
Yxy(87.3567, 0.4026, 0.4873)
contains.

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Color

Yxy(87.3140, 0.4025, 0.4874)

Conversions

Conversions Part 1

Format	Color
Hex	F3F94B
RGB	243, 249, 75
RGB Percent	95%, 98%, 29%
CMY	0.0471, 0.0235, 0.7056
CMYK	0.02, 0.00, 0.70, 0.02
HSL	62°, 94%, 64%
HSV	62°, 70%, 98%
XYZ	72.1048, 87.3140, 19.7236
YIQ	227.3700, 52.2780, -55.3860

Conversions

Conversions Part 2

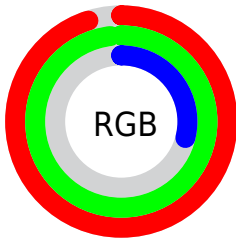
Format	Color
R_{YB}	75, 249, 81
Decimal	15989067
CIE _{Lab}	94.87, -21.88, 77.99
CIE _{LCh}	95, 81.005, 105.670
Yxy	87.3140, 0.4025, 0.4874
Android (android.graphics.Color)	4294179147 (0xFFFF3F94B)
YUV	227.3700, -75.1184, 13.7075
Hunter-Lab	93.4420, -25.7833, 52.8945

Details

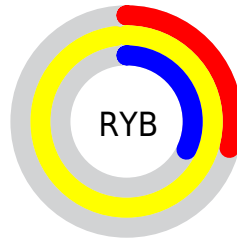
The Yxy color **87.3140, 0.4025, 0.4874** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **13.6382, 0.1803, 0.1068**, and the grayscale version is **77.6355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5012, 0.3829, 0.4451**, and **48.2072, 0.4103, 0.5124** is the 20% darker color. If you saturate the color by 10%, you get **86.8875, 0.4086, 0.4992**, and if you desaturate by 10%, it is **87.8827, 0.3938, 0.4713**.

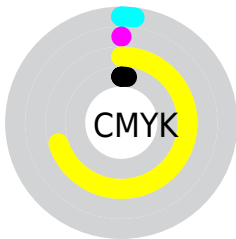
Distribution



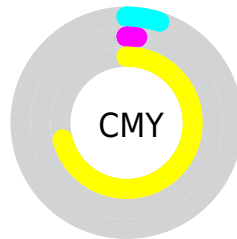
- Red (95%)
- Green (98%)
- Blue (29%)



- Red (29%)
- Yellow (98%)
- Blue (32%)



- Cyan (2%)
- Magenta (0%)
- Yellow (70%)
- Black (2%)





- Cyan (5%)
- Magenta (2%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3140, 0.4025, 0.4874 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 87.3140, 0.4025, 0.4874 by changing the saturation by 10% instead.


 87.3140, 0.4025,
0.4874


 87.3140, 0.4025,
0.4874


519.2541, 0.3688,
0.4190


 65.7551, 0.4077,
0.5008


 143.6017, 0.3928,
0.4653

 48.0736, 0.4128,
0.5160


 179.0993, 0.3884,
0.4562

 33.8852, 0.4172,
0.5331


 220.0119, 0.3844,
0.4481

 22.8054, 0.4197,
0.5519

 266.7240, 0.3807,
0.4410

 14.4499, 0.4226,
0.5774

319.6198, 0.3773,
0.4346

 8.4342, 0.4095,
0.5905


379.0838, 0.3742,


 4.3740, 0.3897,


0.4288


0.6103


445.5005, 0.3714,
0.4237


 1.8849, 0.3567,
0.6433


 0.5393, 0.0000,
1.0000


 87.3140, 0.4025,
0.4874


 87.3140, 0.4025,
0.4874


 86.8875, 0.4086,
0.4992


 87.8827, 0.3938,
0.4713


 86.5745, 0.4120,
0.5065


 88.5953, 0.3829,
0.4515


 86.3521, 0.4132,
0.5101


 89.4682, 0.3701,
0.4288


 86.3490, 0.4132,
0.5101


 90.5121, 0.3561,
0.4042

 91.7370, 0.3415,
0.3788

 93.1521, 0.3269,
0.3533

 94.7660, 0.3125,
0.3286

 95.2811, 0.3098,
0.3232

 95.4409, 0.3103,
0.3232

Harmonies

Analogous

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



87.3140, 0.4678, 0.4351



87.3140, 0.4025, 0.4874



87.3140, 0.3185, 0.4939

Triad

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



87.3140, 0.4025, 0.4874



87.3140, 0.1604, 0.2463



87.3140, 0.3779, 0.2520

Complementary

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



87.3140, 0.4025, 0.4874



13.6382, 0.1803, 0.1068

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.



87.3140, 0.2844, 0.2123



87.3140, 0.4025, 0.4874



87.3140, 0.1709, 0.2044

Square

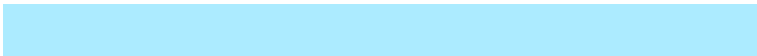
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.3140, 0.4025, 0.4874



87.3140, 0.1818, 0.3264



87.3140, 0.2121, 0.1951



87.3140, 0.4600, 0.3075

Rectangle

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



87.3140, 0.4025, 0.4874



87.3140, 0.2627, 0.4573



87.3140, 0.2121, 0.1951



87.3140, 0.3460, 0.2366

Sweetspot

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



87.3180, 0.4025, 0.4874



96.6678, 0.3433, 0.3818



26.5181, 0.5457, 0.3344



20.6115, 0.3473, 0.3889



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.



87.3180, 0.4025, 0.4874



91.5570, 0.4103, 0.5028



75.3599, 0.3422, 0.5273



20.1583, 0.3263, 0.3525



46.2304, 0.4133, 0.5100



4.2911, 0.4141, 0.5094

Inverse Universe

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



13.6382, 0.1803, 0.1068



9.4260, 0.1607, 0.0755



20.1916, 0.2422, 0.1368



16.6717, 0.2984, 0.3045



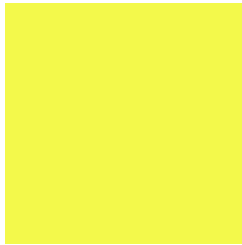
3.7033, 0.1510, 0.0606



0.3528, 0.1536, 0.0620

Previews

White Background



This preview shows how the Yxy color 87.3140, 0.4025, 0.4874 looks on a white background.

Color Contrast Check

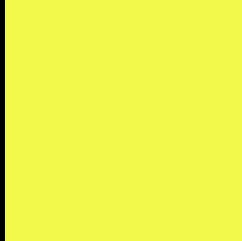
Large Text (above 18pt) WCAG AA × Fail

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 87.3140, 0.4025, 0.4874 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 87.3140, 0.4025, 0.4874

Background



This preview shows how black text looks on a background with the Yxy color 87.3140, 0.4025, 0.4874.



This preview shows how white text looks on a background with the Yxy color 87.3140, 0.4025, 0.4874.

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

87.3140, 0.4025, 0.4874

Protanopia

86.9164, 0.3606, 0.3882

Deuteranopia

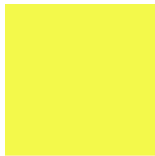
86.7862, 0.3384, 0.3499



Tritanopia

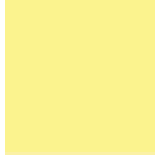
86.9452, 0.3174, 0.3145

Trichromacy



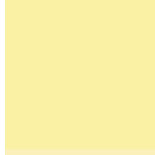
Original Color

87.3140, 0.4025, 0.4874



Protanomaly

86.5634, 0.3807, 0.4295



Deuteranomaly

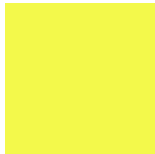
86.1364, 0.3676, 0.4058



Tritanomaly

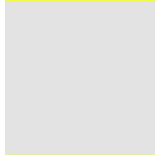
85.7874, 0.3548, 0.3828

Monochromacy



Original Color

87.3140, 0.4025, 0.4874



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.7189, 0.3517, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3140, 0.4025, 0.4874 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(243, 249, 75)` looks like.

```
.text, #text, p{  
    color:rgb(243, 249, 75)  
}
```

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(243, 249, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 249, 75) }
```

Border

The CSS property to change the border of an element to Yxy 87.3140, 0.4025, 0.4874 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(243, 249, 75) }
```

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

```
.border{ border-color:rgb(243, 249, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 249, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 249, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 249, 75);  
box-shadow:4px 4px 4px 4px rgb(243, 249,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3140, 0.4025, 0.4874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 249, 75) }
```

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

```
.background{ background-color: rgb(243,  
249, 75) }
```

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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