

Converting Colors

$Y_{xy}(100.0000, 0.4446, 0.4610)$

Have a look what the booklet for
Yxy(100.0000, 0.4446, 0.4610)
contains.

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Color

Yxy(89.4924, 0.4117, 0.4828)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFF949 |
| RGB | 255, 249, 73 |
| RGB Percent | 100%, 98%, 29% |
| CMY | 0.0001, 0.0235, 0.7137 |
| CMYK | 0.00, 0.02, 0.71, 0.00 |
| HSL | 58°, 100%, 64% |
| HSV | 58°, 71%, 100% |
| XYZ | 76.3132, 89.4924, 19.5556 |
| YIQ | 230.7300, 60.0720, -53.4640 |

Conversions

Conversions Part 2

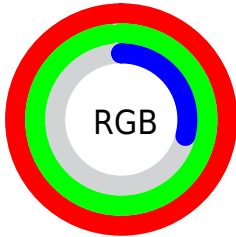
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 79, 255, 73 |
| Decimal | 16775497 |
| CIE _{Lab} | 95.79, -17.12, 79.89 |
| CIE _{LCh} | 96, 81.706, 102.092 |
| Yxy | 89.4924, 0.4117, 0.4828 |
| Android (android.graphics.Color) | 4294965577 (0xFFFFF949) |
| YUV | 230.7300, -77.7609, 21.2848 |
| Hunter-Lab | 94.6004, -21.5566, 53.9640 |

Details

The Yxy color **89.4924, 0.4117, 0.4828** 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 **14.2244, 0.1762, 0.1062**, and the grayscale version is **80.2572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **49.6093, 0.4202, 0.5045** is the 20% darker color. If you saturate the color by 10%, you get **88.7090, 0.4188, 0.4929**, and if you desaturate by 10%, it is **90.4250, 0.4019, 0.4684**.

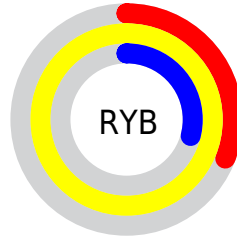
Distribution



Red (100%)

Green (98%)

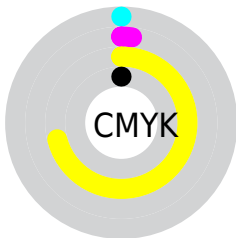
Blue (29%)



Red (31%)

Yellow (100%)

Blue (29%)

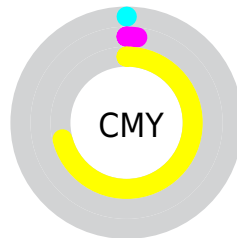


Cyan (0%)

Magenta (2%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4924, 0.4117, 0.4828 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 89.4924, 0.4117, 0.4828 by changing the saturation by 10% instead.


 89.4924, 0.4117,
0.4828

 89.4924, 0.4117,
0.4828


526.3783, 0.3742,
0.4178


 67.5597, 0.4177,
0.4952


 146.6331, 0.4007,
0.4621

 49.5396, 0.4237,
0.5090


 182.6099, 0.3958,
0.4535


 35.0477, 0.4292,
0.5243


 224.0369, 0.3914,
0.4459

 23.6997, 0.4332,
0.5406

 271.2985, 0.3873,
0.4390

 15.1110, 0.4378,
0.5622

 324.7790, 0.3836,
0.4329

 8.8973, 0.4280,
0.5720

384.8629, 0.3802,

 4.6743, 0.4133,

0.4274

0.5867

451.9345, 0.3770,
0.4224

■ 2.0574, 0.3891,
0.6109

■ 0.6405, 0.2297,
0.7703

■ 89.4924, 0.4117,
0.4828

■ 89.4924, 0.4117,
0.4828

■ 88.7090, 0.4188,
0.4929

■ 90.4250, 0.4019,
0.4684

■ 88.0440, 0.4232,
0.4985


■ 91.5094, 0.3898,
0.4500

■ 87.5445, 0.4253,
0.5005

■ 92.7628, 0.3760,
0.4287

■ 94.1970, 0.3610,
0.4053

 95.8227, 0.3454,
0.3809

 97.6498, 0.3299,
0.3563

 99.6873, 0.3147,
0.3322

99.9963, 0.3127,
0.3290

Harmonies

Analogous

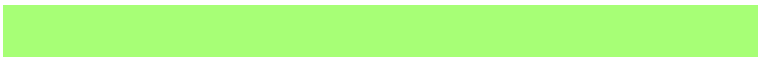
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4924, 0.4734, 0.4277



89.4924, 0.4117, 0.4828



89.4924, 0.3289, 0.4969

Triad

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



89.4924, 0.4117, 0.4828



89.4924, 0.1611, 0.2538



89.4924, 0.3666, 0.2462

Complementary

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



89.4924, 0.4117, 0.4828



14.2244, 0.1762, 0.1062

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.



89.4924, 0.2743, 0.2089



89.4924, 0.4117, 0.4828



89.4924, 0.1680, 0.2075

Square

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



89.4924, 0.4117, 0.4828



89.4924, 0.1866, 0.3382



89.4924, 0.2054, 0.1947



89.4924, 0.4523, 0.3003

Rectangle

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



89.4924, 0.4117, 0.4828



89.4924, 0.2723, 0.4662



89.4924, 0.2054, 0.1947



89.4924, 0.3346, 0.2315

Sweetspot

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



89.4966, 0.4117, 0.4828



95.9029, 0.3448, 0.3800



26.5883, 0.5506, 0.3251



20.4264, 0.3492, 0.3868



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.



89.4966, 0.4117, 0.4828



88.4023, 0.4212, 0.4960



80.5415, 0.3497, 0.5260



20.9825, 0.3270, 0.3517



45.7975, 0.4252, 0.5006



4.4899, 0.4244, 0.5012

Inverse Universe

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



14.2244, 0.1762, 0.1062



9.3096, 0.1579, 0.0749



19.2471, 0.2297, 0.1281



17.4731, 0.2978, 0.3052



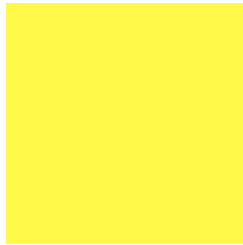
3.9088, 0.1506, 0.0619



0.4127, 0.1518, 0.0666

Previews

White Background



This preview shows how the Yxy color 89.4924, 0.4117, 0.4828 looks on a white background.

Color Contrast Check

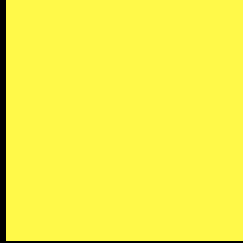
Large Text (above 18pt) WCAG AA × Fail

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 89.4924, 0.4117, 0.4828 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 89.4924, 0.4117, 0.4828

Background



This preview shows how black text looks on a background with the Yxy color 89.4924, 0.4117, 0.4828.



This preview shows how white text looks on a background with the Yxy color 89.4924, 0.4117, 0.4828.

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

89.4924, 0.4117, 0.4828

Protanopia

89.3467, 0.3503, 0.3759

Deuteranopia

89.5524, 0.3327, 0.3458



Tritanopia

89.0629, 0.3190, 0.3213

Trichromacy



Original Color

89.4924, 0.4117, 0.4828



Protanomaly

88.7992, 0.3776, 0.4218



Deuteranomaly

88.8259, 0.3670, 0.4037



Tritanomaly

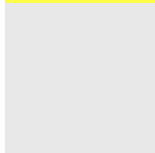
88.1832, 0.3588, 0.3881

Monochromacy



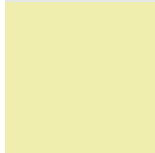
Original Color

89.4924, 0.4117, 0.4828



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.7303, 0.3548, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4924, 0.4117, 0.4828 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, 249, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 73)  
}
```

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, 249, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 73) }
```

Border

The CSS property to change the border of an element to Yxy 89.4924, 0.4117, 0.4828 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, 249, 73) }
```

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

```
.border{ border-color:rgb(255, 249, 73) }
```

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

Here you see how a box with a 4 pixel rgb(255, 249, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4924, 0.4117, 0.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 73) }
```

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

```
.background{ background-color: rgb(255,  
249, 73) }
```

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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