

Converting Colors

Yxy(90.2194, 0.4115, 0.4986)

Have a look what the booklet for
Yxy(90.2194, 0.4115, 0.4986)
contains.

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Color

Yxy(89.9739, 0.4120, 0.4981)

Conversions

Conversions Part 1

Format	Color
Hex	F9FC30
RGB	249, 252, 48
RGB Percent	98%, 99%, 19%
CMY	0.0234, 0.0118, 0.8118
CMYK	0.01, 0.00, 0.81, 0.01
HSL	61°, 97%, 59%
HSV	61°, 81%, 99%
XYZ	74.4213, 89.9739, 16.2390
YIQ	227.8470, 63.6960, -64.0800

Conversions

Conversions Part 2

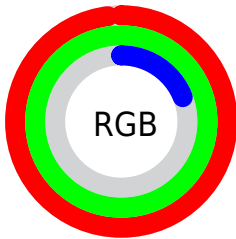
Format	Color
R_{YB}	48, 252, 51
Decimal	16383024
CIE _{Lab}	95.99, -21.85, 87.02
CIE _{LCh}	96, 89.718, 104.097
Yxy	89.9739, 0.4120, 0.4981
Android (android.graphics.Color)	4294573104 (0xFFFF9FC30)
YUV	227.8470, -88.6646, 18.5512
Hunter-Lab	94.8546, -25.9474, 56.2478

Details

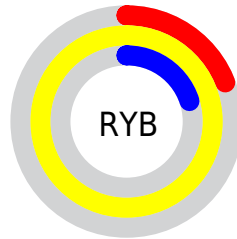
The Yxy color **89.9739, 0.4120, 0.4981** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.8441, 0.1628, 0.0802**, and the grayscale version is **78.0976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9949, 0.3926, 0.4610**, and **50.1712, 0.4122, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **89.7587, 0.4155, 0.5045**, and if you desaturate by 10%, it is **90.3155, 0.4059, 0.4873**.

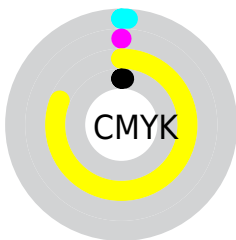
Distribution



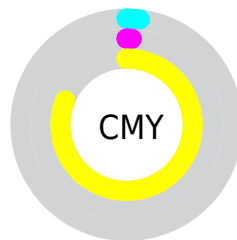
- Red (98%)
- Green (99%)
- Blue (19%)



- Red (19%)
- Yellow (99%)
- Blue (20%)



- Cyan (1%)
- Magenta (0%)
- Yellow (81%)
- Black (1%)




- Cyan (2%)
- Magenta (1%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9739, 0.4120, 0.4981 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 89.9739, 0.4120, 0.4981 by changing the saturation by 10% instead.

 89.9739, 0.4120,
0.4981

 89.9739, 0.4120,
0.4981


527.9459, 0.3763,
0.4273

 67.9590, 0.4170,
0.5112


 147.3021, 0.4021,
0.4758


 49.8644, 0.4216,
0.5258


 183.3843, 0.3975,
0.4665


 35.3056, 0.4250,
0.5415


 224.9243, 0.3933,
0.4581

 23.8984, 0.4262,
0.5583

 272.3065, 0.3893,
0.4506

 15.2583, 0.4239,
0.5761

 325.9154, 0.3857,
0.4439

 9.0009, 0.4113,
0.5887


386.1353, 0.3823,


 4.7417, 0.3925,


0.4378


0.6075

453.3507, 0.3792,
0.4323


 2.0965, 0.3616,
0.6384

 0.6627, 0.1270,
0.8730


 89.9739, 0.4120,
0.4981


 89.9739, 0.4120,
0.4981


 89.7587, 0.4155,
0.5045


 90.3155, 0.4059,
0.4873

 89.6372, 0.4168,
0.5073


 90.7885, 0.3971,
0.4721


 91.4116, 0.3860,
0.4530


 92.1975, 0.3731,
0.4309

 93.1576, 0.3588,
0.4067

 94.3022, 0.3439,
0.3815

 95.6408, 0.3288,
0.3561

 97.1823, 0.3141,
0.3313

 97.5939, 0.3112,
0.3261

Harmonies

Analogous

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



89.9739, 0.4823, 0.4372



89.9739, 0.4120, 0.4981



89.9739, 0.3218, 0.5130

Triad

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



89.9739, 0.4120, 0.4981



89.9739, 0.1493, 0.2414



89.9739, 0.3781, 0.2429

Complementary

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



89.9739, 0.4120, 0.4981



9.8441, 0.1628, 0.0802

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.



89.9739, 0.2765, 0.2019



89.9739, 0.4120, 0.4981



89.9739, 0.1590, 0.1957

Square

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



89.9739, 0.4120, 0.4981



89.9739, 0.1730, 0.3305



89.9739, 0.2007, 0.1849



89.9739, 0.4704, 0.3010

Rectangle

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



89.9739, 0.4120, 0.4981



89.9739, 0.2614, 0.4761



89.9739, 0.2007, 0.1849



89.9739, 0.3429, 0.2269

Sweetspot

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



89.9781, 0.4120, 0.4981



96.4983, 0.3485, 0.3893



23.0215, 0.5979, 0.3298



20.5647, 0.3538, 0.3983



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.



89.9781, 0.4120, 0.4981



92.1235, 0.4164, 0.5065



76.3147, 0.3442, 0.5481



20.1772, 0.3267, 0.3524



46.7011, 0.4168, 0.5072



4.3293, 0.4171, 0.5070

Inverse Universe

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



9.8441, 0.1628, 0.0802



7.4588, 0.1513, 0.0617



15.6251, 0.2224, 0.1114



16.6550, 0.2981, 0.3045



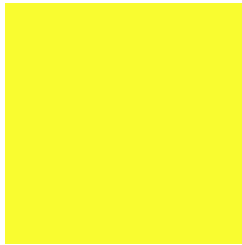
3.6787, 0.1504, 0.0602



0.3448, 0.1515, 0.0608

Previews

White Background



This preview shows how the Yxy color 89.9739, 0.4120, 0.4981 looks on a white background.

Color Contrast Check

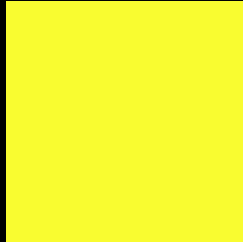
Large Text (above 18pt) WCAG AA × Fail

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 89.9739, 0.4120, 0.4981 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 89.9739, 0.4120, 0.4981

Background



This preview shows how black text looks on a background with the Yxy color 89.9739, 0.4120, 0.4981.

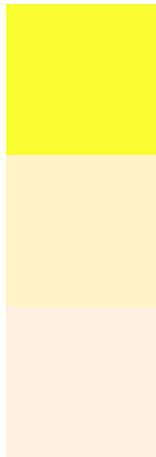


This preview shows how white text looks on a background with the Yxy color 89.9739, 0.4120, 0.4981.

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

89.9739, 0.4120, 0.4981

Protanopia

89.4847, 0.3484, 0.3729

Deuteranopia

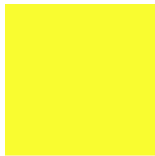
89.6068, 0.3320, 0.3448



Tritanopia

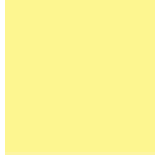
89.7703, 0.3177, 0.3203

Trichromacy



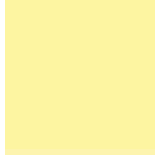
Original Color

89.9739, 0.4120, 0.4981



Protanomaly

88.8078, 0.3798, 0.4297



Deuteranomaly

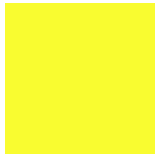
88.7607, 0.3702, 0.4128



Tritanomaly

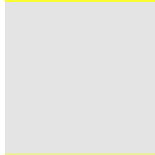
88.6792, 0.3619, 0.3982

Monochromacy



Original Color

89.9739, 0.4120, 0.4981



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

81.0456, 0.3591, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9739, 0.4120, 0.4981 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(249, 252, 48)` looks like.

```
.text, #text, p{  
    color:rgb(249, 252, 48)  
}
```

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(249, 252, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 252, 48) }
```

Border

The CSS property to change the border of an element to Yxy 89.9739, 0.4120, 0.4981 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(249, 252, 48) }
```

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

```
.border{ border-color:rgb(249, 252, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 252, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 252, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 252, 48);  
box-shadow:4px 4px 4px 4px rgb(249, 252,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9739, 0.4120, 0.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 252, 48) }
```

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

```
.background{ background-color: rgb(249,  
252, 48) }
```

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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