

Converting Colors

$Yxy(89.5471, 0.4149, 0.4885)$

Have a look what the booklet for
Yxy(89.5471, 0.4149, 0.4885)
contains.

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Color

Yxy(89.3483, 0.4152, 0.4883)

Conversions

Conversions Part 1

Format	Color
Hex	FFF93D
RGB	255, 249, 61
RGB Percent	100%, 98%, 24%
CMY	0.0000, 0.0236, 0.7607
CMYK	0.00, 0.02, 0.76, 0.00
HSL	58°, 100%, 62%
HSV	58°, 76%, 100%
XYZ	75.9726, 89.3483, 17.6574
YIQ	229.3620, 63.9240, -57.1960

Conversions

Conversions Part 2

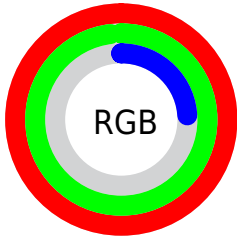
Format	Color
RYB	67, 255, 61
Decimal	16775485
CIELab	95.73, -17.55, 83.57
CIELCh	96, 85.389, 101.861
Yxy	89.3483, 0.4152, 0.4883
Android (android.graphics.Color)	4294965565 (0xFFFFF93D)
YUV	229.3620, -83.0025, 22.4845
Hunter-Lab	94.5242, -21.9504, 55.0914

Details

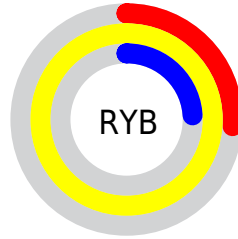
The Yxy color **89.3483, 0.4152, 0.4883** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **12.2295, 0.1691, 0.0941**, and the grayscale version is **79.2200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2101, 0.3884, 0.4541**, and **49.6093, 0.4202, 0.5045** is the 20% darker color. If you saturate the color by 10%, you get **88.6426, 0.4209, 0.4963**, and if you desaturate by 10%, it is **90.1751, 0.4067, 0.4759**.

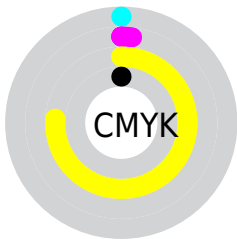
Distribution



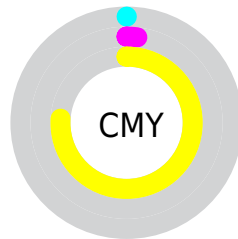
- Red (100%)
- Green (98%)
- Blue (24%)



- Red (26%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (2%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3483, 0.4152, 0.4883 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 89.3483, 0.4152, 0.4883 by changing the saturation by 10% instead.


 89.3483, 0.4152,
0.4883


 89.3483, 0.4152,
0.4883


525.9086, 0.3770,
0.4217

 67.4403, 0.4210,
0.5007

 146.4328, 0.4042,
0.4673


 49.4425, 0.4267,
0.5145


 182.3781, 0.3993,
0.4585


 34.9706, 0.4317,
0.5295


 223.7712, 0.3947,
0.4506

 23.6402, 0.4348,
0.5451

 270.9966, 0.3906,
0.4436

 15.0670, 0.4365,
0.5635

 324.4386, 0.3867,
0.4372

 8.8664, 0.4264,
0.5736

384.4817, 0.3832,

 4.6541, 0.4112,

0.4315

0.5888

451.5103, 0.3800,
0.4264

■ 2.0458, 0.3863,
0.6137

■ 0.6339, 0.2154,
0.7846

■ 89.3483, 0.4152,
0.4883

■ 89.3483, 0.4152,
0.4883

■ 88.6426, 0.4209,
0.4963

■ 90.1751, 0.4067,
0.4759


■ 88.0549, 0.4241,
0.5001

■ 91.1564, 0.3957,
0.4593

■ 87.8430, 0.4249,
0.5008

■ 92.3007, 0.3826,
0.4392

■ 93.6201, 0.3681,
0.4166

 95.1259, 0.3527,
0.3925

 96.8283, 0.3371,
0.3679

 98.7367, 0.3218,
0.3435

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



89.3483, 0.4797, 0.4296



89.3483, 0.4152, 0.4883



89.3483, 0.3292, 0.5054

Triad

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



89.3483, 0.4152, 0.4883



89.3483, 0.1557, 0.2506



89.3483, 0.3680, 0.2427

Complementary

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



89.3483, 0.4152, 0.4883



12.2295, 0.1691, 0.0941

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.



89.3483, 0.2718, 0.2044



89.3483, 0.4152, 0.4883



89.3483, 0.1627, 0.2029

Square

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



89.3483, 0.4152, 0.4883



89.3483, 0.1818, 0.3389



89.3483, 0.2009, 0.1898



89.3483, 0.4580, 0.2982

Rectangle

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



89.3483, 0.4152, 0.4883



89.3483, 0.2705, 0.4741



89.3483, 0.2009, 0.1898



89.3483, 0.3345, 0.2276

Sweetspot

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



89.3426, 0.4152, 0.4883



95.6277, 0.3479, 0.3850



25.0099, 0.5718, 0.3255



20.3424, 0.3536, 0.3939



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.



89.3426, 0.4152, 0.4883



88.3405, 0.4228, 0.4987



79.8000, 0.3493, 0.5360



20.9885, 0.3270, 0.3518



45.9430, 0.4248, 0.5009



4.5025, 0.4241, 0.5014

Inverse Universe

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



12.2295, 0.1691, 0.0941



8.3371, 0.1541, 0.0681



17.1900, 0.2232, 0.1178



17.4678, 0.2978, 0.3052



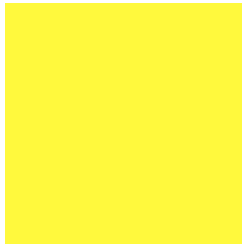
3.9012, 0.1505, 0.0618



0.4102, 0.1517, 0.0662

Previews

White Background



This preview shows how the Yxy color 89.3483, 0.4152, 0.4883 looks on a white background.

Color Contrast Check

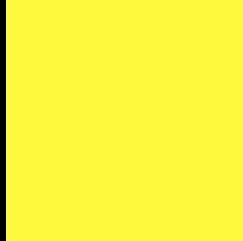
Large Text (above 18pt) WCAG AA × Fail

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 89.3483, 0.4152, 0.4883 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 89.3483, 0.4152, 0.4883

Background



This preview shows how black text looks on a background with the Yxy color 89.3483, 0.4152, 0.4883.



This preview shows how white text looks on a background with the Yxy color 89.3483, 0.4152, 0.4883.

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



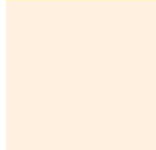
Original Color

89.3483, 0.4152, 0.4883



Protanopia

89.3013, 0.3509, 0.3769



Deuteranopia

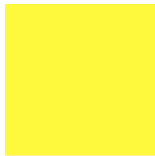
88.9079, 0.3334, 0.3458



Tritanopia

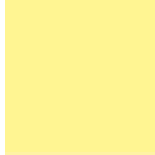
89.0629, 0.3190, 0.3213

Trichromacy



Original Color

89.3483, 0.4152, 0.4883



Protanomaly

88.6401, 0.3805, 0.4264



Deuteranomaly

88.0415, 0.3704, 0.4077



Tritanomaly

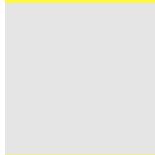
88.0189, 0.3614, 0.3921

Monochromacy



Original Color

89.3483, 0.4152, 0.4883



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.9952, 0.3577, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3483, 0.4152, 0.4883 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 61) }
```

Border

The CSS property to change the border of an element to Yxy 89.3483, 0.4152, 0.4883 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, 61) }
```

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

```
.border{ border-color:rgb(255, 249, 61) }
```

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, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3483, 0.4152, 0.4883 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, 61) }
```

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

```
.background{ background-color: rgb(255,  
249, 61) }
```

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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