

Converting Colors

$Y_{xy}(100.0000, 0.4726, 0.4477)$

Have a look what the booklet for
Yxy(100.0000, 0.4726, 0.4477)
contains.

Yxy(83.2985, 0.4227, 0.4831)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.2985, 0.4227, 0.4831)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF3A
RGB	255, 239, 58
RGB Percent	100%, 94%, 23%
CMY	0.0000, 0.0628, 0.7724
CMYK	0.00, 0.06, 0.77, 0.00
HSL	55°, 100%, 61%
HSV	55°, 77%, 100%
XYZ	72.8840, 83.2985, 16.2424
YIQ	223.1500, 67.6370, -52.8990

Conversions

Conversions Part 2

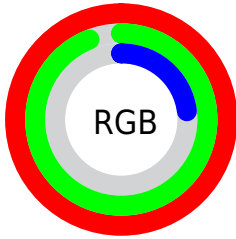
Format	Color
R_{YB}	75, 255, 58
Decimal	16772922
CIE _{Lab}	93.14, -12.80, 82.11
CIE _{LCh}	93, 83.103, 98.861
Yxy	83.2985, 0.4227, 0.4831
Android (android.graphics.Color)	4294963002 (0xFFFFEF3A)
YUV	223.1500, -81.4189, 27.9325
Hunter-Lab	91.2680, -17.1740, 53.3361

Details

The Yxy color **83.2985, 0.4227, 0.4831** 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 **13.0228, 0.1695, 0.0992**, and the grayscale version is **74.4559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **45.3363, 0.4296, 0.4971** is the 20% darker color. If you saturate the color by 10%, you get **81.8881, 0.4295, 0.4901**, and if you desaturate by 10%, it is **84.8407, 0.4130, 0.4716**.

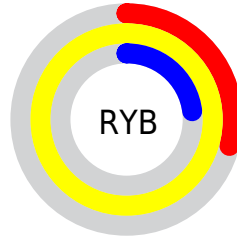
Distribution



Red (100%)

Green (94%)

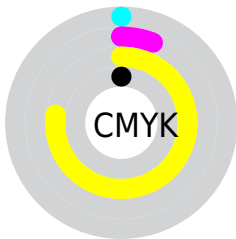
Blue (23%)



Red (29%)

Yellow (100%)

Blue (23%)

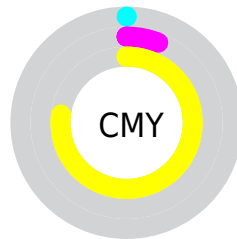


Cyan (0%)

Magenta (6%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2985, 0.4227, 0.4831 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 83.2985, 0.4227, 0.4831 by changing the saturation by 10% instead.

 83.2985, 0.4227,
0.4831


 83.2985, 0.4227,
0.4831


505.9808, 0.3804,
0.4187

 62.4364, 0.4294,
0.4950


 137.9935, 0.4103,
0.4629

 45.3854, 0.4361,
0.5080


 172.5951, 0.4048,
0.4544


 31.7611, 0.4422,
0.5219


 212.5455, 0.3998,
0.4468

 21.1791, 0.4468,
0.5363

 258.2289, 0.3952,
0.4400

 13.2550, 0.4488,
0.5512

 310.0297, 0.3910,
0.4338

 7.6044, 0.4408,
0.5592

368.3324, 0.3872,

 3.8429, 0.4286,

0.4283

0.5714

433.5213, 0.3837,
0.4233

■ 1.5860, 0.4078,
0.5922

■ 0.3482, 0.0503,
0.9497

■ 83.2985, 0.4227,
0.4831

■ 83.2985, 0.4227,
0.4831

■ 81.8881, 0.4295,
0.4901

■ 84.8407, 0.4130,
0.4716

■ 80.6036, 0.4337,
0.4928

■ 86.5472, 0.4009,
0.4560

■ 80.2620, 0.4346,
0.4931

■ 88.4269, 0.3868,
0.4369

■ 90.4925, 0.3714,
0.4153

■ 92.7552, 0.3554,
0.3923

■ 95.2254, 0.3393,
0.3687

■ 97.9126, 0.3236,
0.3454

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.



83.2985, 0.4836, 0.4228



83.2985, 0.4227, 0.4831



83.2985, 0.3382, 0.5061

Triad

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



83.2985, 0.4227, 0.4831



83.2985, 0.1572, 0.2579



83.2985, 0.3578, 0.2382

Complementary

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



83.2985, 0.4227, 0.4831



13.0228, 0.1695, 0.0992

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.



83.2985, 0.2634, 0.2022



83.2985, 0.4227, 0.4831



83.2985, 0.1610, 0.2064

Square

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



83.2985, 0.4227, 0.4831



83.2985, 0.1869, 0.3495



83.2985, 0.1960, 0.1902



83.2985, 0.4501, 0.2923

Rectangle

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



83.2985, 0.4227, 0.4831



83.2985, 0.2792, 0.4804



83.2985, 0.1960, 0.1902



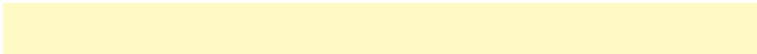
83.2985, 0.3245, 0.2238

Sweetspot

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



83.2933, 0.4227, 0.4831



93.7777, 0.3485, 0.3823



24.7893, 0.5655, 0.3186



19.8855, 0.3544, 0.3908



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.



83.2933, 0.4227, 0.4831



81.1359, 0.4322, 0.4921



80.7018, 0.3554, 0.5338



20.8232, 0.3271, 0.3506



42.0442, 0.4343, 0.4933



4.1654, 0.4324, 0.4948

Inverse Universe

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



13.0228, 0.1695, 0.0992



8.6781, 0.1543, 0.0706



15.8329, 0.2136, 0.1113



17.6149, 0.2979, 0.3064



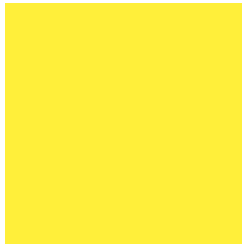
4.1298, 0.1514, 0.0651



0.4798, 0.1545, 0.0761

Previews

White Background



This preview shows how the Yxy color 83.2985, 0.4227, 0.4831 looks on a white background.

Color Contrast Check

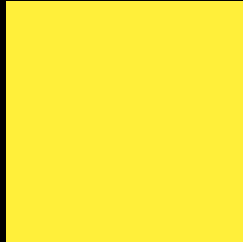
Large Text (above 18pt) WCAG AA × Fail

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 83.2985, 0.4227, 0.4831 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 83.2985, 0.4227, 0.4831

Background



This preview shows how black text looks on a background with the Yxy color 83.2985, 0.4227, 0.4831.



This preview shows how white text looks on a background with the Yxy color 83.2985, 0.4227, 0.4831.

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

83.2985, 0.4227, 0.4831

Protanopia

83.4208, 0.3822, 0.4159

Deuteranopia

83.2375, 0.3486, 0.3593



Tritanopia

82.9199, 0.3250, 0.3192

Trichromacy



Original Color

83.2985, 0.4227, 0.4831



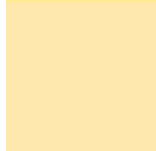
Protanomaly

83.0893, 0.4006, 0.4458



Deuteranomaly

82.8787, 0.3820, 0.4141



Tritanomaly

81.9904, 0.3681, 0.3888

Monochromacy



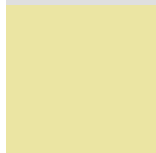
Original Color

83.2985, 0.4227, 0.4831



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.3451, 0.3607, 0.3997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2985, 0.4227, 0.4831 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, 239, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 58)  
}
```

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, 239, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 58) }
```

Border

The CSS property to change the border of an element to Yxy 83.2985, 0.4227, 0.4831 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, 239, 58) }
```

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

```
.border{ border-color:rgb(255, 239, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
58) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 83.2985, 0.4227, 0.4831$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 58) }
```

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

```
.background{ background-color: rgb(255,  
239, 58) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor