

# Converting Colors

Yxy(82.9344, 0.4303, 0.4947)

Have a look what the booklet for  
Yxy(82.9344, 0.4303, 0.4947)  
contains.

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# Color

**Yxy(83.0221, 0.4301, 0.4948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEF0D
RGB	255, 239, 13
RGB Percent	100%, 94%, 5%
CMY	0.0002, 0.0627, 0.9490
CMYK	0.00, 0.06, 0.95, 0.00
HSL	56°, 100%, 53%
HSV	56°, 95%, 100%
XYZ	72.1661, 83.0221, 12.6010
YIQ	218.0200, 82.0820, -66.8940

# Conversions

## Conversions Part 2

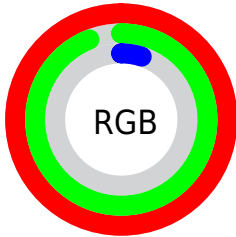
Format	Color
R <sub>Y</sub> B	30, 255, 13
Decimal	16772877
CIE Lab	93.02, -13.79, 90.51
CIE LCh	93, 91.553, 98.662
Yxy	83.0221, 0.4301, 0.4948
Android (android.graphics.Color)	4294962957 (0xFFFFEF0D)
YUV	218.0200, -101.0749, 32.4315
Hunter-Lab	91.1165, -18.0781, 55.5820

# Details

The Yxy color **83.0221, 0.4301, 0.4948** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **8.1776, 0.1529, 0.0670**, and the grayscale version is **70.7927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **45.2044, 0.4287, 0.4978** is the 20% darker color. If you saturate the color by 10%, you get **82.4971, 0.4316, 0.4955**, and if you desaturate by 10%, it is **84.1277, 0.4257, 0.4910**.

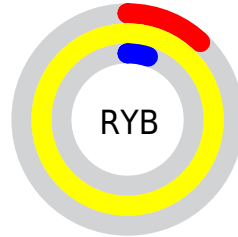
# Distribution



Red (100%)

Green (94%)

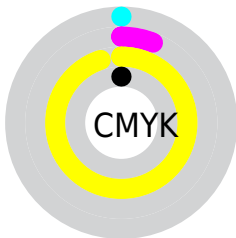
Blue (5%)



Red (12%)

Yellow (100%)

Blue (5%)

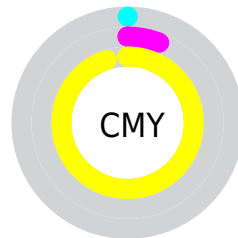


Cyan (0%)

Magenta (6%)

Yellow (95%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0221, 0.4301, 0.4948 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 83.0221, 0.4301, 0.4948 by changing the saturation by 10% instead.




 83.0221, 0.4301,  
0.4948


 83.0221, 0.4301,  
0.4948


505.0602, 0.3869,  
0.4274

 62.2084, 0.4363,  
0.5065


 137.6064, 0.4180,  
0.4742


 45.2011, 0.4420,  
0.5190


 172.1458, 0.4125,  
0.4654


 31.6159, 0.4464,  
0.5317

 212.0292, 0.4073,  
0.4574

 21.0683, 0.4511,  
0.5472

 257.6410, 0.4025,  
0.4501

 13.1739, 0.4457,  
0.5543

 309.3656, 0.3981,  
0.4436

 7.5484, 0.4370,  
0.5630

 367.5874, 0.3941,

 3.8074, 0.4238,

0.4377

0.5762

432.6908, 0.3904,  
0.4323

■ 1.5664, 0.4010,  
0.5990

■ 0.3348, 0.0000,  
1.0000

■ 83.0221, 0.4301,  
0.4948

■ 83.0221, 0.4301,  
0.4948


■ 82.4971, 0.4316,  
0.4955


■ 84.1277, 0.4257,  
0.4910


■ 85.3513, 0.4187,  
0.4828


■ 86.7166, 0.4089,  
0.4701

■ 88.2395, 0.3967,  
0.4534

 89.9340, 0.3826,  
0.4335

 91.8121, 0.3673,  
0.4112

 93.8850, 0.3514,  
0.3877

 96.1627, 0.3355,  
0.3638

 98.6546, 0.3200,  
0.3402

# Harmonies

## Analogous

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



83.0221, 0.4978, 0.4265



83.0221, 0.4301, 0.4948



83.0221, 0.3384, 0.5255

# Triad

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



83.0221, 0.4301, 0.4948



83.0221, 0.1450, 0.2503



83.0221, 0.3608, 0.2302

# Complementary

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



83.0221, 0.4301, 0.4948



8.1776, 0.1529, 0.0670

# 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.



83.0221, 0.2577, 0.1921



83.0221, 0.4301, 0.4948



83.0221, 0.1493, 0.1958

# Square

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



83.0221, 0.4301, 0.4948



83.0221, 0.1757, 0.3513



83.0221, 0.1859, 0.1793



83.0221, 0.4635, 0.2875



# Rectangle

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



83.0221, 0.4301, 0.4948



83.0221, 0.2748, 0.4990



83.0221, 0.1859, 0.1793



83.0221, 0.3242, 0.2150

# Sweetspot

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



83.0260, 0.4301, 0.4948



93.2613, 0.3563, 0.3950



21.6280, 0.6266, 0.3259



19.7707, 0.3632, 0.4052



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.



83.0260, 0.4301, 0.4948



82.5323, 0.4316, 0.4955



78.0124, 0.3475, 0.5600



20.8738, 0.3271, 0.3510



43.2123, 0.4313, 0.4957



4.2667, 0.4298, 0.4969



# Inverse Universe

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



8.1776, 0.1529, 0.0670



7.6144, 0.1508, 0.0629



11.3453, 0.1936, 0.0857



17.5696, 0.2978, 0.3060



4.0501, 0.1511, 0.0640

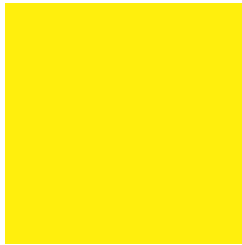


0.4584, 0.1536, 0.0731



# Previews

## White Background



This preview shows how the Yxy color 83.0221, 0.4301, 0.4948 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

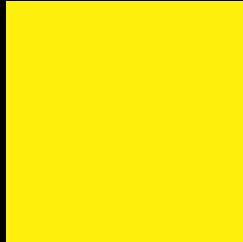
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0221, 0.4301, 0.4948 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 83.0221, 0.4301, 0.4948**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0221, 0.4301, 0.4948.



This preview shows how white text looks on a background with the Yxy color 83.0221, 0.4301, 0.4948.

# 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

83.0221, 0.4301, 0.4948

### Protanopia

82.7520, 0.3844, 0.4178

### Deuteranopia

82.6289, 0.3494, 0.3593



## Tritanopia

82.8612, 0.3256, 0.3202

# Trichromacy



## Original Color

83.0221, 0.4301, 0.4948



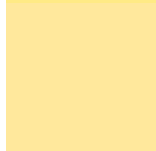
## Protanomaly

82.1327, 0.4100, 0.4586



## Deuteranomaly

81.7991, 0.3927, 0.4289



## Tritanomaly

81.3735, 0.3793, 0.4056

# Monochromacy



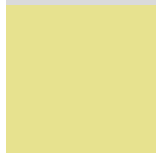
## Original Color

83.0221, 0.4301, 0.4948



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

73.3648, 0.3716, 0.4188

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0221, 0.4301, 0.4948 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 13) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0221, 0.4301, 0.4948 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, 13) }
```

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

```
.border{ border-color:rgb(255, 239, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
13) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0221, 0.4301, 0.4948 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, 13) }
```

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

```
.background{ background-color: rgb(255,  
239, 13) }
```

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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