

Converting Colors

$Y_{xy}(24.8415, 0.3831, 0.4627)$

Have a look what the booklet for
Yxy(24.8415, 0.3831, 0.4627)
contains.

Yxy(24.8447, 0.3827, 0.4631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8447, 0.3827, 0.4631)

Conversions

Conversions Part 1

Format	Color
Hex	878E3E
RGB	135, 142, 62
RGB Percent	53%, 56%, 24%
CMY	0.4707, 0.4431, 0.7568
CMYK	0.05, 0.00, 0.56, 0.44
HSL	65°, 39%, 40%
HSV	65°, 56%, 56%
XYZ	20.5313, 24.8447, 8.2726
YIQ	130.7870, 21.5080, -26.3640

Conversions

Conversions Part 2

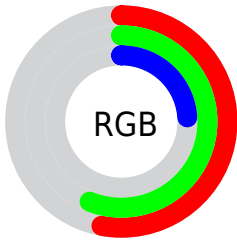
Format	Color
RYB	62, 142, 69
Decimal	8883774
CIELab	56.92, -14.32, 41.02
CIELCh	57, 43.451, 109.244
Yxy	24.8447, 0.3827, 0.4631
Android (android.graphics.Color)	4287073854 (0xFF878E3E)
YUV	130.7870, -33.9120, 3.6948
Hunter-Lab	49.8445, -13.7022, 25.0508

Details

The Yxy color **24.8447, 0.3827, 0.4631** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.6673, 0.2151, 0.1582**, and the grayscale version is **22.7342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5969, 0.3706, 0.4355**, and **9.5152, 0.3984, 0.5090** is the 20% darker color. If you saturate the color by 10%, you get **24.6067, 0.3915, 0.4818**, and if you desaturate by 10%, it is **25.1269, 0.3721, 0.4415**.

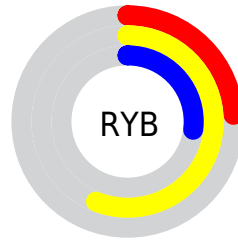
Distribution



Red (53%)

Green (56%)

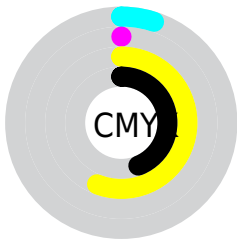
Blue (24%)



Red (24%)

Yellow (56%)

Blue (27%)

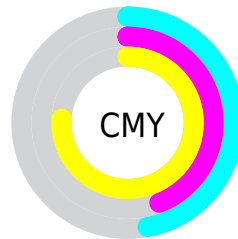


Cyan (5%)

Magenta (0%)

Yellow (56%)

Black (44%)



Cyan (47%)

Magenta (44%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8447, 0.3827, 0.4631 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 24.8447, 0.3827, 0.4631 by changing the saturation by 10% instead.

24.8447, 0.3827,
0.4631

24.8447, 0.3827,
0.4631

277.0637, 0.3475,
0.3889

15.9614, 0.3903,
0.4832

51.4052, 0.3704,
0.4347

9.4968, 0.3984,
0.5092

69.8511, 0.3656,
0.4244

5.0666, 0.4099,
0.5492

92.2534, 0.3614,
0.4159

2.2864, 0.4086,
0.5914

118.9964, 0.3578,
0.4087

0.7665, 0.3308,
0.6692

150.4646, 0.3547,
0.4027

0.0000, 0.0000,
0.0000

187.0422, 0.3520,

0.3974

229.1138, 0.3496,
0.3929

■ 24.8447, 0.3827,
0.4631

■ 24.8447, 0.3827,
0.4631

■ 24.6067, 0.3915,
0.4818

■ 25.1269, 0.3721,
0.4415

■ 24.4064, 0.3980,
0.4969

■ 25.4528, 0.3601,
0.4179

■ 24.2410, 0.4020,
0.5078

■ 25.8262, 0.3472,
0.3932

■ 24.1046, 0.4038,
0.5149

■ 26.2496, 0.3340,
0.3684

■ 24.0570, 0.4043,
0.5172

■ 26.7252, 0.3209,
0.3440

■ 27.2550, 0.3081,
0.3206

■ 27.8412, 0.2959,
0.2985

■ 28.4856, 0.2844,
0.2780

■ 29.1900, 0.2738,
0.2591

Harmonies

Analogous

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



24.8447, 0.4385, 0.4274



24.8447, 0.3827, 0.4631



24.8447, 0.3118, 0.4571

Triad

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



24.8447, 0.3827, 0.4631



24.8447, 0.1834, 0.2562



24.8447, 0.3758, 0.2698

Complementary

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



24.8447, 0.3827, 0.4631



6.6673, 0.2151, 0.1582

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.



24.8447, 0.2990, 0.2333



24.8447, 0.3827, 0.4631



24.8447, 0.1955, 0.2224

Square

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



24.8447, 0.3827, 0.4631



24.8447, 0.1996, 0.3195



24.8447, 0.2348, 0.2161



24.8447, 0.4386, 0.3194

Rectangle

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



24.8447, 0.3827, 0.4631



24.8447, 0.2655, 0.4231



24.8447, 0.2348, 0.2161



24.8447, 0.3502, 0.2558

Sweetspot

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



24.8458, 0.3827, 0.4631



46.2009, 0.3354, 0.3709



10.3168, 0.4672, 0.3410



10.2895, 0.3377, 0.3751



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.8458, 0.3827, 0.4631



43.2689, 0.3937, 0.4869



22.1486, 0.3364, 0.4870



6.2616, 0.3246, 0.3508



21.6001, 0.4044, 0.5171



0.2111, 0.4123, 0.5108

Inverse Universe

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



6.6673, 0.2151, 0.1582



7.8387, 0.1906, 0.1179



8.6311, 0.2677, 0.1795



5.2763, 0.3003, 0.3064



1.8309, 0.1539, 0.0622



0.0211, 0.1721, 0.0722

Previews

White Background



This preview shows how the Yxy color 24.8447, 0.3827, 0.4631 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8447, 0.3827, 0.4631 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.8447, 0.3827, 0.4631

Background



This preview shows how black text looks on a background with the Yxy color 24.8447, 0.3827, 0.4631.



This preview shows how white text looks on a background with the Yxy color 24.8447, 0.3827, 0.4631.

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

24.8447, 0.3827, 0.4631

Protanopia

24.8930, 0.4093, 0.4486

Deuteranopia

24.6717, 0.4310, 0.4239



Tritanopia

24.7180, 0.3136, 0.3110

Trichromacy



Original Color

24.8447, 0.3827, 0.4631

Protanomaly

24.9132, 0.3994, 0.4537

Deuteranomaly

24.4883, 0.4135, 0.4372

Tritanomaly

24.4859, 0.3419, 0.3668

Monochromacy



Original Color

24.8447, 0.3827, 0.4631

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.2741, 0.3402, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8447, 0.3827, 0.4631 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(135, 142, 62)` looks like.

```
.text, #text, p{  
    color:rgb(135, 142, 62)  
}
```

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(135, 142, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 142, 62) }
```

Border

The CSS property to change the border of an element to Yxy 24.8447, 0.3827, 0.4631 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(135, 142, 62) }
```

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

```
.border{ border-color:rgb(135, 142, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 142, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 142, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 142, 62);  
box-shadow:4px 4px 4px 4px rgb(135, 142,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8447, 0.3827, 0.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 142, 62) }
```

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

```
.background{ background-color: rgb(135,  
142, 62) }
```

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