

Converting Colors

$Y_{xy}(24.3592, 0.3893, 0.4251)$

Have a look what the booklet for
Yxy(24.3592, 0.3893, 0.4251)
contains.

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Color

Yxy(24.4400, 0.3898, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	94884D
RGB	148, 136, 77
RGB Percent	58%, 53%, 30%
CMY	0.4196, 0.4667, 0.6980
CMYK	0.00, 0.08, 0.48, 0.42
HSL	50°, 32%, 44%
HSV	50°, 48%, 58%
XYZ	22.3579, 24.4400, 10.5595
YIQ	132.8620, 26.0910, -15.8050

Conversions

Conversions Part 2

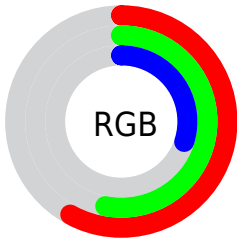
Format	Color
R_{YB}	91, 148, 77
Decimal	9734221
CIE Lab	56.53, -3.96, 33.16
CIE LCh	57, 33.392, 96.810
Yxy	24.4400, 0.3898, 0.4261
Android (android.graphics.Color)	4287924301 (0xFF94884D)
YUV	132.8620, -27.5400, 13.2760
Hunter-Lab	49.4368, -5.7874, 21.9417

Details

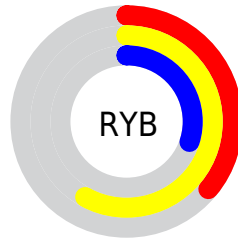
The Yxy color **24.4400, 0.3898, 0.4261** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.8625, 0.2289, 0.2076**, and the grayscale version is **23.4985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6240, 0.3742, 0.4061**, and **9.1822, 0.4135, 0.4585** is the 20% darker color. If you saturate the color by 10%, you get **23.5583, 0.4057, 0.4436**, and if you desaturate by 10%, it is **25.3880, 0.3731, 0.4066**.

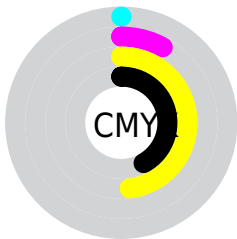
Distribution



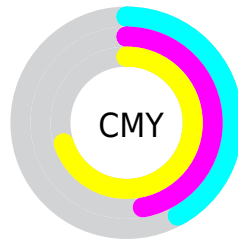
- Red (58%)
- Green (53%)
- Blue (30%)



- Red (36%)
- Yellow (58%)
- Blue (30%)



- Cyan (0%)
- Magenta (8%)
- Yellow (48%)
- Black (42%)




- Cyan (42%)
- Magenta (47%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4400, 0.3898, 0.4261 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 24.4400, 0.3898, 0.4261 by changing the saturation by 10% instead.


 24.4400, 0.3898,
0.4261


 24.4400, 0.3898,
0.4261


275.0375, 0.3486,
0.3730


 15.6603, 0.4004,
0.4404


 50.7473, 0.3744,
0.4059


 9.2841, 0.4137,
0.4590


 69.0437, 0.3687,
0.3986


 4.9270, 0.4303,
0.4834

 91.2811, 0.3640,
0.3925

 2.2045, 0.4659,
0.5341

 117.8439, 0.3599,
0.3873

 0.7224, 0.4495,
0.5505

 149.1166, 0.3565,
0.3830

 0.0000, 0.0000,
0.0000

185.4835, 0.3535,

0.3792

227.3290, 0.3509,
0.3759

■ 24.4400, 0.3898,
0.4261

■ 24.4400, 0.3898,
0.4261

■ 23.5583, 0.4057,
0.4436

■ 25.3880, 0.3731,
0.4066

■ 22.7362, 0.4203,
0.4583

■ 26.4020, 0.3564,
0.3861

■ 21.9709, 0.4329,
0.4693

■ 27.4860, 0.3401,
0.3653

■ 21.2581, 0.4429,
0.4760

■ 28.6425, 0.3245,
0.3448

■ 20.5895, 0.4505,
0.4788

■ 29.8741, 0.3098,
0.3251

■ 20.4570, 0.4520,
0.4793

■ 31.1831, 0.2963,
0.3065

■ 32.5717, 0.2839,
0.2891

■ 34.0420, 0.2727,
0.2730

■ 35.5961, 0.2625,
0.2582

Harmonies

Analogous

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



24.4400, 0.4229, 0.3932



24.4400, 0.3898, 0.4261



24.4400, 0.3376, 0.4332

Triad

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



24.4400, 0.3898, 0.4261



24.4400, 0.2121, 0.2918



24.4400, 0.3376, 0.2682

Complementary

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



24.4400, 0.3898, 0.4261



10.8625, 0.2289, 0.2076

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.



24.4400, 0.2798, 0.2444



24.4400, 0.3898, 0.4261



24.4400, 0.2121, 0.2539

Square

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



24.4400, 0.3898, 0.4261



24.4400, 0.2362, 0.3479



24.4400, 0.2355, 0.2386



24.4400, 0.3927, 0.3054

Rectangle

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



24.4400, 0.3898, 0.4261



24.4400, 0.2996, 0.4175



24.4400, 0.2355, 0.2386



24.4400, 0.3177, 0.2585

Sweetspot

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



24.4411, 0.3898, 0.4261



49.2288, 0.3342, 0.3576



12.3429, 0.4154, 0.3068



11.1471, 0.3373, 0.3617



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.4411, 0.3898, 0.4261



41.3838, 0.4075, 0.4455



26.1188, 0.3555, 0.4537



6.5794, 0.3263, 0.3473



17.5048, 0.4518, 0.4795



0.2498, 0.4340, 0.4936

Inverse Universe

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



10.8625, 0.2289, 0.2076



14.4325, 0.2077, 0.1739



10.1261, 0.2509, 0.1925



5.7822, 0.2989, 0.3101



2.4507, 0.1550, 0.0779



0.0598, 0.1715, 0.1375

Previews

White Background



This preview shows how the Yxy color 24.4400, 0.3898, 0.4261 looks on a white background.

Color Contrast Check

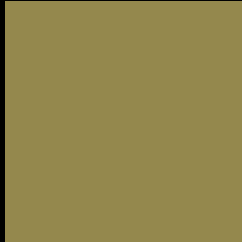
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4400, 0.3898, 0.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

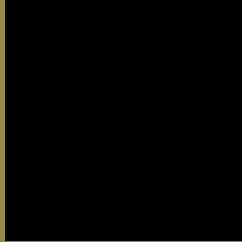
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4400, 0.3898, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 24.4400, 0.3898, 0.4261.



This preview shows how white text looks on a background with the Yxy color 24.4400, 0.3898, 0.4261.

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

24.4400, 0.3898, 0.4261

Protanopia

24.5337, 0.3910, 0.4256

Deuteranopia

24.2644, 0.4142, 0.4056



Tritanopia

24.4346, 0.3310, 0.3131

Trichromacy



Original Color

24.4400, 0.3898, 0.4261

Protanomaly

24.5337, 0.3910, 0.4256

Deuteranomaly

24.4235, 0.4054, 0.4139

Tritanomaly

24.4389, 0.3542, 0.3555

Monochromacy



Original Color

24.4400, 0.3898, 0.4261

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.6457, 0.3400, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4400, 0.3898, 0.4261 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(148, 136, 77)` looks like.

```
.text, #text, p{  
    color:rgb(148, 136, 77)  
}
```

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(148, 136, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 136, 77) }
```

Border

The CSS property to change the border of an element to Yxy 24.4400, 0.3898, 0.4261 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(148, 136, 77) }
```

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

```
.border{ border-color:rgb(148, 136, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 136, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 136, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 136, 77);  
box-shadow:4px 4px 4px 4px rgb(148, 136,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4400, 0.3898, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 136, 77) }
```

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

```
.background{ background-color: rgb(148,  
136, 77) }
```

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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