

Converting Colors

$Y_{xy}(24.0070, 0.4417, 0.4875)$

Have a look what the booklet for
Yxy(24.0070, 0.4417, 0.4875)
contains.

Yxy(24.1003, 0.4413, 0.4878)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.1003, 0.4413, 0.4878)

Conversions

Conversions Part 1

Format	Color
Hex	998700
RGB	153, 135, 0
RGB Percent	60%, 53%, 0%
CMY	0.3999, 0.4706, 0.9999
CMYK	0.00, 0.12, 1.00, 0.40
HSL	53°, 100%, 30%
HSV	53°, 100%, 60%
XYZ	21.8029, 24.1003, 3.5029
YIQ	124.9920, 54.0630, -38.1690

Conversions

Conversions Part 2

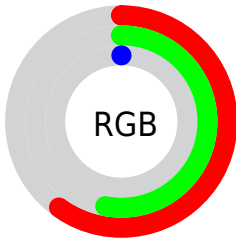
Format	Color
R _Y B	20, 153, 0
Decimal	10061568
CIE Lab	56.19, -5.08, 60.85
CIE LCh	56, 61.065, 94.772
Yxy	24.1003, 0.4413, 0.4878
Android (android.graphics.Color)	4288251648 (0xFF998700)
YUV	124.9920, -61.6211, 24.5630
Hunter-Lab	49.0921, -6.6351, 30.1339

Details

The Yxy color **24.1003, 0.4413, 0.4878** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.7341, 0.1528, 0.0700**, and the grayscale version is **20.7051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2450, 0.4210, 0.4606**, and **9.2522, 0.4411, 0.4879** is the 20% darker color. If you saturate the color by 10%, you get **24.1009, 0.4413, 0.4878**, and if you desaturate by 10%, it is **24.6439, 0.4356, 0.4847**.

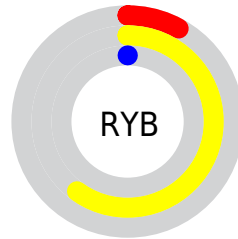
Distribution



Red (60%)

Green (53%)

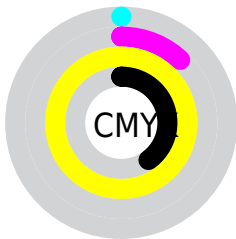
Blue (0%)



Red (8%)

Yellow (60%)

Blue (0%)

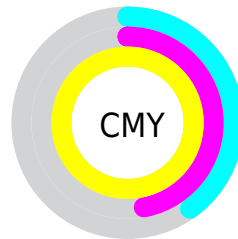


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1003, 0.4413, 0.4878 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 24.1003, 0.4413, 0.4878 by changing the saturation by 10% instead.


 24.1003, 0.4413,
0.4878


 24.1003, 0.4413,
0.4878


273.3272, 0.3793,
0.4079


 15.4080, 0.4520,
0.5036


 50.1938, 0.4213,
0.4607

 9.1063, 0.4673,
0.5265


 68.3639, 0.4129,
0.4498

 4.8106, 0.4661,
0.5339

 90.4620, 0.4054,
0.4403

 2.1365, 0.4594,
0.5406

 116.8726, 0.3988,
0.4320


 0.6851, 0.4349,
0.5651


 147.9800, 0.3931,
0.4248


 0.0000, 0.0000,
0.0000


 184.1686, 0.3879,


0.4185


 225.8229, 0.3834,
0.4129


 24.1003, 0.4413,
0.4878


 24.1003, 0.4413,
0.4878


 24.1009, 0.4413,
0.4878

 24.6439, 0.4356,
0.4847

 25.2210, 0.4278,
0.4783

 25.8448, 0.4174,
0.4677

 26.5203, 0.4048,
0.4531

 27.2516, 0.3904,
0.4354

■ 28.0423, 0.3749,
0.4153

■ 28.8958, 0.3589,
0.3939

■ 29.8151, 0.3429,
0.3719

■ 30.8030, 0.3274,
0.3501

Harmonies

Analogous

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



24.1003, 0.5046, 0.4172



24.1003, 0.4413, 0.4878



24.1003, 0.3509, 0.5270

Triad

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



24.1003, 0.4413, 0.4878



24.1003, 0.1459, 0.2602



24.1003, 0.3467, 0.2234

Complementary

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



24.1003, 0.4413, 0.4878



2.7341, 0.1528, 0.0700

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.



24.1003, 0.2459, 0.1882



24.1003, 0.4413, 0.4878



24.1003, 0.1460, 0.1997

Square

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



24.1003, 0.4413, 0.4878



24.1003, 0.1817, 0.3673



24.1003, 0.1784, 0.1788



24.1003, 0.4531, 0.2789

Rectangle

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



24.1003, 0.4413, 0.4878



24.1003, 0.2865, 0.5092



24.1003, 0.1784, 0.1788



24.1003, 0.3103, 0.2090

Sweetspot

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



24.1015, 0.4413, 0.4878



51.6433, 0.3599, 0.3952



6.8260, 0.6202, 0.3190



11.2710, 0.3661, 0.4036



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.1015, 0.4413, 0.4878



42.9758, 0.4418, 0.4874



25.3238, 0.3572, 0.5545



7.0987, 0.3263, 0.3485



19.9465, 0.4411, 0.4879



0.3288, 0.4303, 0.4966

Inverse Universe

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



2.7341, 0.1528, 0.0700



4.7485, 0.1523, 0.0681



3.1448, 0.1807, 0.0769



6.1377, 0.2988, 0.3088



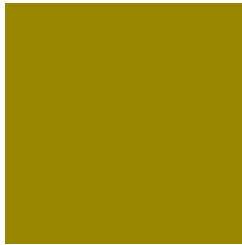
2.2868, 0.1530, 0.0708



0.0610, 0.1654, 0.1156

Previews

White Background



This preview shows how the Yxy color 24.1003, 0.4413, 0.4878 looks on a white background.

Color Contrast Check

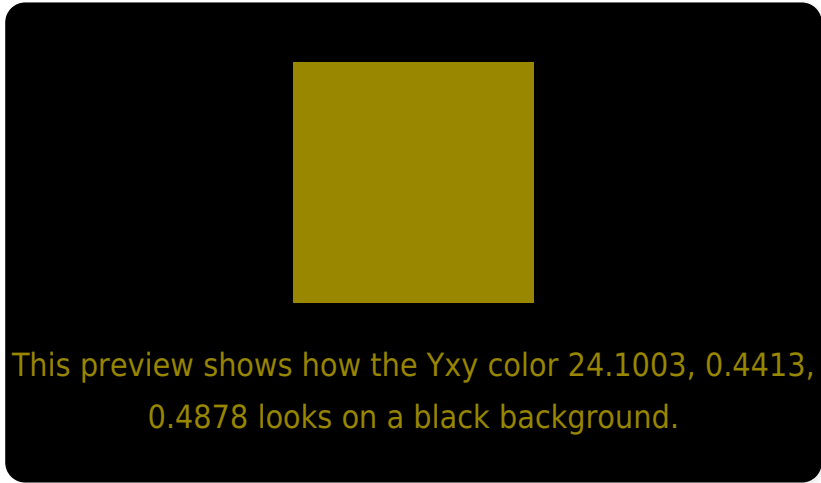
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 24.1003, 0.4413, 0.4878

Background



This preview shows how black text looks on a background with the Yxy color 24.1003, 0.4413, 0.4878.



This preview shows how white text looks on a background with the Yxy color 24.1003, 0.4413, 0.4878.

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

24.1003, 0.4413, 0.4878

Protanopia

24.0077, 0.4397, 0.4881

Deuteranopia

24.0249, 0.4665, 0.4593



Tritanopia

23.9936, 0.3449, 0.3134

Trichromacy



Original Color

24.1003, 0.4413, 0.4878

Protanomaly

24.0055, 0.4399, 0.4884

Deuteranomaly

24.1493, 0.4572, 0.4701

Tritanomaly

23.6415, 0.3979, 0.3980

Monochromacy



Original Color

24.1003, 0.4413, 0.4878

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4306, 0.3751, 0.4167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1003, 0.4413, 0.4878 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(153, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 135, 0)  
}
```

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(153, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.1003, 0.4413, 0.4878 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(153, 135, 0) }
```

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

```
.border{ border-color:rgb(153, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 135,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1003, 0.4413, 0.4878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 135, 0) }
```

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

```
.background{ background-color: rgb(153,  
135, 0) }
```

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