

Converting Colors

$Y_{xy}(24.8779, 0.4377, 0.4906)$

Have a look what the booklet for
Yxy(24.8779, 0.4377, 0.4906)
contains.

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Color

Yxy(24.9493, 0.4373, 0.4909)

Conversions

Conversions Part 1

Format	Color
Hex	998A00
RGB	153, 138, 0
RGB Percent	60%, 54%, 0%
CMY	0.4000, 0.4588, 0.9993
CMYK	0.00, 0.10, 1.00, 0.40
HSL	54°, 100%, 30%
HSV	54°, 100%, 60%
XYZ	22.2252, 24.9493, 3.6491
YIQ	126.7530, 53.2380, -39.7380

Conversions

Conversions Part 2

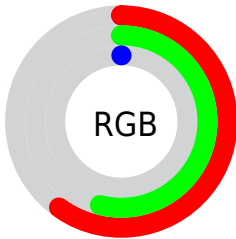
Format	Color
R _Y B	17, 153, 0
Decimal	10062336
CIE Lab	57.03, -6.73, 61.42
CIE LCh	57, 61.792, 96.251
Yxy	24.9493, 0.4373, 0.4909
Android (android.graphics.Color)	4288252416 (0xFF998A00)
YUV	126.7530, -62.4892, 23.0186
Hunter-Lab	49.9493, -7.9868, 30.6330

Details

The Yxy color **24.9493, 0.4373, 0.4909** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.6472, 0.1523, 0.0680**, and the grayscale version is **21.3463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5402, 0.4187, 0.4634**, and **9.7414, 0.4353, 0.4926** is the 20% darker color. If you saturate the color by 10%, you get **24.9451, 0.4374, 0.4909**, and if you desaturate by 10%, it is **25.4195, 0.4321, 0.4875**.

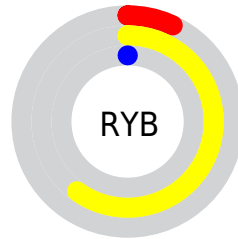
Distribution



Red (60%)

Green (54%)

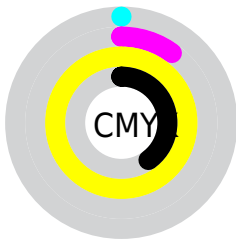
Blue (0%)



Red (7%)

Yellow (60%)

Blue (0%)

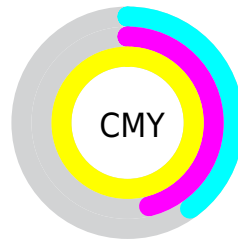


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9493, 0.4373, 0.4909 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 24.9493, 0.4373, 0.4909 by changing the saturation by 10% instead.


 24.9493, 0.4373,
0.4909


 24.9493, 0.4373,
0.4909

277.5854, 0.3780,
0.4093


 16.0393, 0.4473,
0.5073


 51.5750, 0.4184,
0.4631

 9.5520, 0.4606,
0.5300

 70.0594, 0.4103,
0.4519


 5.1029, 0.4597,
0.5403

 92.5041, 0.4031,
0.4422

 2.3078, 0.4511,
0.5489

 119.2935, 0.3968,
0.4338

 0.7778, 0.4251,
0.5749


 150.8119, 0.3913,
0.4265

 0.0000, 0.0000,
0.0000


 187.4437, 0.3863,


0.4200


 229.5734, 0.3819,
0.4144


 24.9493, 0.4373,
0.4909


 24.9493, 0.4373,
0.4909


 24.9451, 0.4374,
0.4909

 25.4195, 0.4321,
0.4875

 25.9210, 0.4249,
0.4809

 26.4666, 0.4151,
0.4700

 27.0613, 0.4031,
0.4552

 27.7092, 0.3892,
0.4372

■ 28.4139, 0.3741,
0.4168

■ 29.1787, 0.3584,
0.3950

■ 30.0066, 0.3426,
0.3726

■ 30.9005, 0.3272,
0.3503

Harmonies

Analogous

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



24.9493, 0.5026, 0.4209



24.9493, 0.4373, 0.4909



24.9493, 0.3461, 0.5273

Triad

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



24.9493, 0.4373, 0.4909



24.9493, 0.1451, 0.2561



24.9493, 0.3522, 0.2257

Complementary

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



24.9493, 0.4373, 0.4909



2.6472, 0.1523, 0.0680

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.



24.9493, 0.2502, 0.1893



24.9493, 0.4373, 0.4909



24.9493, 0.1468, 0.1978

Square

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



24.9493, 0.4373, 0.4909



24.9493, 0.1790, 0.3612



24.9493, 0.1809, 0.1786



24.9493, 0.4576, 0.2820

Rectangle

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



24.9493, 0.4373, 0.4909



24.9493, 0.2818, 0.5061



24.9493, 0.1809, 0.1786



24.9493, 0.3156, 0.2110

Sweetspot

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



24.9505, 0.4373, 0.4909



52.1603, 0.3595, 0.3966



6.8113, 0.6261, 0.3224



11.3988, 0.3656, 0.4050



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.



24.9505, 0.4373, 0.4909



44.5264, 0.4377, 0.4906



25.0489, 0.3521, 0.5585



7.1193, 0.3262, 0.3489



20.6458, 0.4372, 0.4911



0.3346, 0.4284, 0.4981

Inverse Universe

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



2.6472, 0.1523, 0.0680



4.6020, 0.1518, 0.0663



3.3053, 0.1860, 0.0799



6.1190, 0.2988, 0.3083



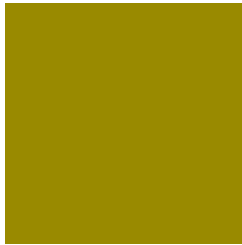
2.2084, 0.1524, 0.0686



0.0556, 0.1631, 0.1071

Previews

White Background



This preview shows how the Yxy color 24.9493, 0.4373, 0.4909 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 24.9493, 0.4373, 0.4909 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 24.9493, 0.4373, 0.4909

Background



This preview shows how black text looks on a background with the Yxy color 24.9493, 0.4373, 0.4909.

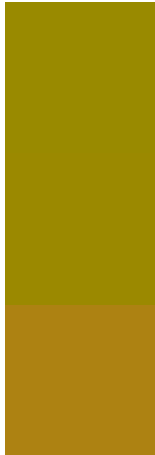


This preview shows how white text looks on a background with the Yxy color 24.9493, 0.4373, 0.4909.

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

24.9493, 0.4373, 0.4909

Protanopia

24.8599, 0.4410, 0.4880

Deuteranopia

24.8932, 0.4667, 0.4588



Tritanopia

24.8504, 0.3407, 0.3135

Trichromacy



Original Color

24.9493, 0.4373, 0.4909

Protanomaly

24.7613, 0.4398, 0.4890

Deuteranomaly

24.9086, 0.4565, 0.4702

Tritanomaly

24.4762, 0.3935, 0.3994

Monochromacy



Original Color

24.9493, 0.4373, 0.4909

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.0609, 0.3740, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9493, 0.4373, 0.4909 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, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 138, 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, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.9493, 0.4373, 0.4909 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, 138, 0) }
```

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

```
.border{ border-color:rgb(153, 138, 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, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 138,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9493, 0.4373, 0.4909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 138, 0) }
```

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

```
.background{ background-color: rgb(153,  
138, 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](#).

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