

# Converting Colors

$Y_{xy}(24.8913, 0.4522, 0.5051)$

Have a look what the booklet for  
Yxy(24.8913, 0.4522, 0.5051)  
contains.

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**Color**

**Yxy(24.8599, 0.4410, 0.4880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9B8900
RGB	155, 137, 0
RGB Percent	61%, 54%, 0%
CMY	0.3921, 0.4627, 0.9996
CMYK	0.00, 0.12, 1.00, 0.39
HSL	53°, 100%, 30%
HSV	53°, 100%, 61%
XYZ	22.4656, 24.8599, 3.6169
YIQ	126.7640, 54.7050, -38.7910

# Conversions

## Conversions Part 2

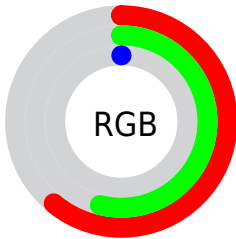
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	20, 155, 0
Decimal	10193152
CIE Lab	56.94, -5.25, 61.46
CIE LCh	57, 61.688, 94.878
Yxy	24.8599, 0.4410, 0.4880
Android (android.graphics.Color)	4288383232 (0xFF9B8900)
YUV	126.7640, -62.4947, 24.7630
Hunter-Lab	49.8597, -6.8266, 30.6008

# Details

The Yxy color **24.8599, 0.4410, 0.4880** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8039, 0.1528, 0.0698**, and the grayscale version is **21.3476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4027, 0.4212, 0.4614**, and **9.6888, 0.4407, 0.4883** is the 20% darker color. If you saturate the color by 10%, you get **24.8576, 0.4410, 0.4880**, and if you desaturate by 10%, it is **25.4139, 0.4353, 0.4849**.

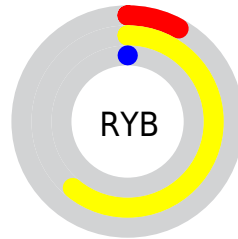
# Distribution



Red (61%)

Green (54%)

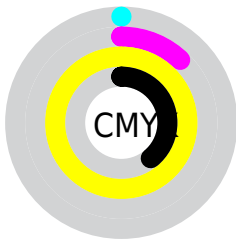
Blue (0%)



Red (8%)

Yellow (61%)

Blue (0%)

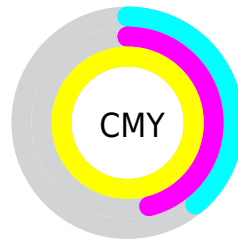


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (46%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8599, 0.4410, 0.4880 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 24.8599, 0.4410, 0.4880 by changing the saturation by 10% instead.





 24.8599, 0.4410,  
0.4880


 24.8599, 0.4410,  
0.4880


 277.1395, 0.3796,  
0.4084


 15.9727, 0.4516,  
0.5037


 51.4298, 0.4213,  
0.4611


 9.5048, 0.4659,  
0.5255

 69.8814, 0.4129,  
0.4502


 5.0719, 0.4658,  
0.5342

 92.2898, 0.4055,  
0.4407

 2.2895, 0.4592,  
0.5408

 119.0396, 0.3990,  
0.4325

 0.7682, 0.4394,  
0.5606


 150.5150, 0.3932,  
0.4253


 0.0000, 0.0000,  
0.0000

 187.1006, 0.3881,


0.4190

 229.1806, 0.3836,  
0.4134


 24.8599, 0.4410,  
0.4880

 24.8599, 0.4410,  
0.4880


 24.8576, 0.4410,  
0.4880

 25.4139, 0.4353,  
0.4849

 26.0025, 0.4276,  
0.4786

 26.6392, 0.4173,  
0.4679

 27.3288, 0.4047,  
0.4533

 28.0757, 0.3903,  
0.4355

■ 28.8837, 0.3748,  
0.4154

■ 29.7562, 0.3588,  
0.3939

■ 30.6964, 0.3429,  
0.3719

■ 31.7071, 0.3274,  
0.3501

# Harmonies

## Analogous

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



24.8599, 0.5045, 0.4175



24.8599, 0.4410, 0.4880



24.8599, 0.3505, 0.5270

# Triad

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



24.8599, 0.4410, 0.4880



24.8599, 0.1459, 0.2599



24.8599, 0.3471, 0.2236

# Complementary

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



24.8599, 0.4410, 0.4880



2.8039, 0.1528, 0.0698

# 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.



24.8599, 0.2462, 0.1883



24.8599, 0.4410, 0.4880



24.8599, 0.1461, 0.1995

# Square

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



24.8599, 0.4410, 0.4880



24.8599, 0.1816, 0.3669



24.8599, 0.1786, 0.1788



24.8599, 0.4534, 0.2792



# Rectangle

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



24.8599, 0.4410, 0.4880



24.8599, 0.2862, 0.5089



24.8599, 0.1786, 0.1788



24.8599, 0.3107, 0.2092

# Sweetspot

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



24.8611, 0.4410, 0.4880



53.1753, 0.3599, 0.3954



7.0163, 0.6235, 0.3209



11.8946, 0.3662, 0.4039



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



24.8611, 0.4410, 0.4880



44.3304, 0.4415, 0.4877



25.9141, 0.3546, 0.5566



7.1002, 0.3263, 0.3485



19.9977, 0.4408, 0.4882



0.3292, 0.4301, 0.4967



# Inverse Universe

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



2.8039, 0.1528, 0.0698



4.8681, 0.1522, 0.0679



3.3138, 0.1832, 0.0783



6.1363, 0.2988, 0.3087



2.2806, 0.1530, 0.0706

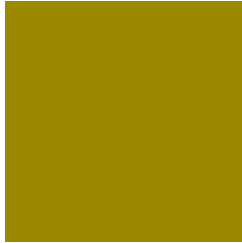


0.0606, 0.1653, 0.1149



# Previews

## White Background



This preview shows how the Yxy color 24.8599, 0.4410, 0.4880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

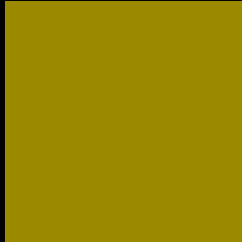
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Xy color 24.8599, 0.4410, 0.4880 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 24.8599, 0.4410, 0.4880**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.8599, 0.4410, 0.4880.



This preview shows how white text looks on a background with the Yxy color 24.8599, 0.4410, 0.4880.

# 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

24.8599, 0.4410, 0.4880

### Protanopia

24.7657, 0.4394, 0.4884

### Deuteranopia

24.8900, 0.4670, 0.4592



## Tritanopia

24.7714, 0.3444, 0.3136

# Trichromacy



## Original Color

24.8599, 0.4410, 0.4880

## Protanomaly

24.7635, 0.4396, 0.4887

## Deuteranomaly

24.9062, 0.4567, 0.4706

## Tritanomaly

24.3943, 0.3978, 0.3988

# Monochromacy



## Original Color

24.8599, 0.4410, 0.4880

## Achromatopsia

21.2231, 0.3127, 0.3290

## Achromatomaly

22.1450, 0.3753, 0.4173

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.8599, 0.4410, 0.4880 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(155, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 137, 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(155, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 137, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 24.8599, 0.4410, 0.4880 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(155, 137, 0) }
```

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

```
.border{ border-color:rgb(155, 137, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 137,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.8599, 0.4410, 0.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 137, 0) }
```

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

```
.background{ background-color: rgb(155,  
137, 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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