

Converting Colors

$Y_{xy}(24.4257, 0.4524, 0.5026)$

Have a look what the booklet for
Yxy(24.4257, 0.4524, 0.5026)
contains.

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Color

Yxy(24.5769, 0.4423, 0.4870)

Conversions

Conversions Part 1

Format	Color
Hex	9B8800
RGB	155, 136, 0
RGB Percent	61%, 53%, 0%
CMY	0.3922, 0.4666, 0.9999
CMYK	0.00, 0.12, 1.00, 0.39
HSL	53°, 100%, 30%
HSV	53°, 100%, 61%
XYZ	22.3211, 24.5769, 3.5679
YIQ	126.1770, 54.9800, -38.2680

Conversions

Conversions Part 2

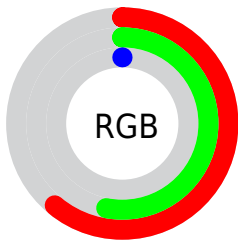
Format	Color
R _Y B	22, 155, 0
Decimal	10192896
CIE Lab	56.66, -4.71, 61.28
CIE LCh	57, 61.458, 94.397
Yxy	24.5769, 0.4423, 0.4870
Android (android.graphics.Color)	4288382976 (0xFF9B8800)
YUV	126.1770, -62.2053, 25.2778
Hunter-Lab	49.5751, -6.3872, 30.4354

Details

The Yxy color **24.5769, 0.4423, 0.4870** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8329, 0.1529, 0.0704**, and the grayscale version is **21.1311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9710, 0.4220, 0.4605**, and **9.5257, 0.4427, 0.4867** is the 20% darker color. If you saturate the color by 10%, you get **24.5770, 0.4423, 0.4870**, and if you desaturate by 10%, it is **25.1538, 0.4365, 0.4840**.

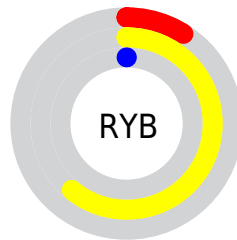
Distribution



Red (61%)

Green (53%)

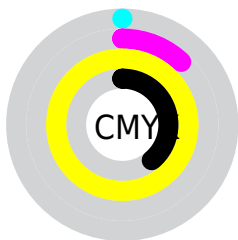
Blue (0%)



Red (9%)

Yellow (61%)

Blue (0%)

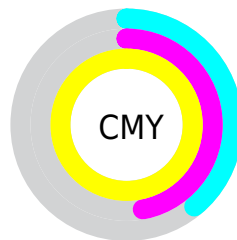


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5769, 0.4423, 0.4870 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 24.5769, 0.4423, 0.4870 by changing the saturation by 10% instead.


 24.5769, 0.4423,
0.4870


 24.5769, 0.4423,
0.4870


275.7243, 0.3800,
0.4080


 15.7621, 0.4531,
0.5025


 50.9700, 0.4222,
0.4603

 9.3560, 0.4680,
0.5244


 69.3171, 0.4137,
0.4495


 4.9741, 0.4679,
0.5321

 91.6104, 0.4062,
0.4401

 2.2321, 0.4618,
0.5382

 118.2344, 0.3996,
0.4319


 0.7374, 0.4427,
0.5573


 149.5733, 0.3938,
0.4247

 0.0000, 0.0000,
0.0000


 186.0117, 0.3887,


0.4185

 227.9339, 0.3841,
0.4129

 24.5769, 0.4423,
0.4870


 24.5769, 0.4423,
0.4870


 24.5770, 0.4423,
0.4870

 25.1538, 0.4365,
0.4840

 25.7661, 0.4286,
0.4777

 26.4273, 0.4180,
0.4672

 27.1425, 0.4053,
0.4527

 27.9158, 0.3907,
0.4350

■ 28.7512, 0.3751,
0.4150

■ 29.6520, 0.3590,
0.3936

■ 30.6213, 0.3430,
0.3717

■ 31.6622, 0.3275,
0.3500

Harmonies

Analogous

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



24.5769, 0.5051, 0.4163



24.5769, 0.4423, 0.4870



24.5769, 0.3521, 0.5269

Triad

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



24.5769, 0.4423, 0.4870



24.5769, 0.1462, 0.2613



24.5769, 0.3453, 0.2228

Complementary

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



24.5769, 0.4423, 0.4870



2.8329, 0.1529, 0.0704

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.



24.5769, 0.2448, 0.1879



24.5769, 0.4423, 0.4870



24.5769, 0.1458, 0.2002

Square

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



24.5769, 0.4423, 0.4870



24.5769, 0.1824, 0.3689



24.5769, 0.1778, 0.1789



24.5769, 0.4519, 0.2782

Rectangle

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



24.5769, 0.4423, 0.4870



24.5769, 0.2877, 0.5099



24.5769, 0.1778, 0.1789



24.5769, 0.3090, 0.2085

Sweetspot

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



24.5781, 0.4423, 0.4870



53.0070, 0.3600, 0.3949



7.0216, 0.6204, 0.3191



11.8519, 0.3663, 0.4034



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.



24.5781, 0.4423, 0.4870



43.8319, 0.4428, 0.4866



26.0472, 0.3572, 0.5546



7.0937, 0.3263, 0.3484



19.7792, 0.4421, 0.4872



0.3274, 0.4307, 0.4962

Inverse Universe

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



2.8329, 0.1529, 0.0704



4.9201, 0.1524, 0.0686



3.2325, 0.1806, 0.0769



6.1423, 0.2988, 0.3089



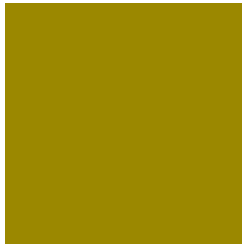
2.3075, 0.1532, 0.0713



0.0623, 0.1660, 0.1176

Previews

White Background



This preview shows how the Yxy color 24.5769, 0.4423, 0.4870 looks on a white background.

Color Contrast Check

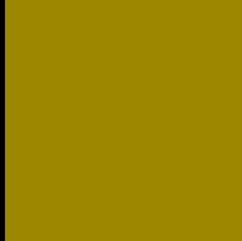
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5769, 0.4423, 0.4870 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 24.5769, 0.4423, 0.4870

Background



This preview shows how black text looks on a background with the Yxy color 24.5769, 0.4423, 0.4870.



This preview shows how white text looks on a background with the Yxy color 24.5769, 0.4423, 0.4870.

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

24.5769, 0.4423, 0.4870

Protanopia

24.7679, 0.4392, 0.4881

Deuteranopia

24.5116, 0.4673, 0.4588



Tritanopia

24.4858, 0.3459, 0.3136

Trichromacy



Original Color

24.5769, 0.4423, 0.4870

Protanomaly

24.7657, 0.4394, 0.4884

Deuteranomaly

24.6337, 0.4581, 0.4694

Tritanomaly

24.1270, 0.3985, 0.3973

Monochromacy



Original Color

24.5769, 0.4423, 0.4870

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.8628, 0.3770, 0.4174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5769, 0.4423, 0.4870 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, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 136, 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, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 136, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.5769, 0.4423, 0.4870 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, 136, 0) }
```

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

```
.border{ border-color:rgb(155, 136, 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, 136, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 136,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5769, 0.4423, 0.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 136, 0) }
```

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

```
.background{ background-color: rgb(155,  
136, 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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