

Converting Colors

$Y_{xy}(23.5576, 0.4767, 0.5233)$

Have a look what the booklet for
Yxy(23.5576, 0.4767, 0.5233)
contains.

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Color

Yxy(23.8430, 0.4475, 0.4829)

Conversions

Conversions Part 1

Format	Color
Hex	9C8500
RGB	156, 133, 0
RGB Percent	61%, 52%, 0%
CMY	0.3883, 0.4784, 1.0000
CMYK	0.00, 0.15, 1.00, 0.39
HSL	51°, 100%, 31%
HSV	51°, 100%, 61%
XYZ	22.0951, 23.8430, 3.4365
YIQ	124.7150, 56.4010, -36.4870

Conversions

Conversions Part 2

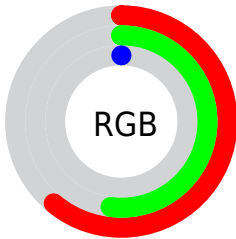
Format	Color
R _Y B	27, 156, 0
Decimal	10257664
CIE Lab	55.93, -2.61, 60.81
CIE LCh	56, 60.869, 92.455
Yxy	23.8430, 0.4475, 0.4829
Android (android.graphics.Color)	4288447744 (0xFF9C8500)
YUV	124.7150, -61.4845, 27.4369
Hunter-Lab	48.8293, -4.6804, 30.0078

Details

The Yxy color **23.8430, 0.4475, 0.4829** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0113, 0.1537, 0.0734**, and the grayscale version is **20.6040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8313, 0.4258, 0.4580**, and **9.0500, 0.4487, 0.4819** is the 20% darker color. If you saturate the color by 10%, you get **23.8442, 0.4475, 0.4829**, and if you desaturate by 10%, it is **24.5164, 0.4409, 0.4803**.

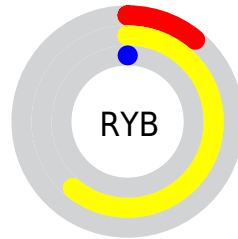
Distribution



Red (61%)

Green (52%)

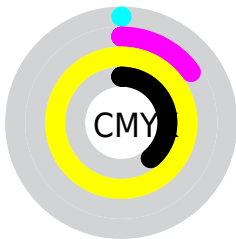
Blue (0%)



Red (11%)

Yellow (61%)

Blue (0%)

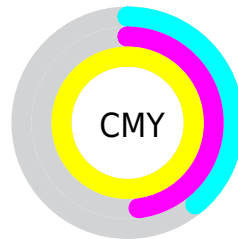


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8430, 0.4475, 0.4829 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 23.8430, 0.4475, 0.4829 by changing the saturation by 10% instead.


 23.8430, 0.4475,
0.4829


 23.8430, 0.4475,
0.4829


272.0258, 0.3819,
0.4064


 15.2172, 0.4592,
0.4976


 49.7739, 0.4261,
0.4573


 8.9720, 0.4763,
0.5191

 67.8477, 0.4171,
0.4468


 4.7229, 0.4764,
0.5236

 89.8398, 0.4093,
0.4377

 2.0856, 0.4730,
0.5270

 116.1343, 0.4024,
0.4297

 0.6565, 0.4605,
0.5395


 147.1158, 0.3963,
0.4227


 0.0000, 0.0000,
0.0000


 183.1686, 0.3909,


0.4166

 224.6771, 0.3862,
0.4112


 23.8430, 0.4475,
0.4829


 23.8430, 0.4475,
0.4829


 23.8442, 0.4475,
0.4829

 24.5164, 0.4409,
0.4803

 25.2300, 0.4322,
0.4744

 25.9973, 0.4209,
0.4641

 26.8236, 0.4074,
0.4499

 27.7133, 0.3922,
0.4325

■ 28.6702, 0.3761,
0.4129

■ 29.6979, 0.3596,
0.3920

■ 30.7995, 0.3433,
0.3707

■ 31.9782, 0.3276,
0.3495

Harmonies

Analogous

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



23.8430, 0.5077, 0.4116



23.8430, 0.4475, 0.4829



23.8430, 0.3583, 0.5264

Triad

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



23.8430, 0.4475, 0.4829



23.8430, 0.1473, 0.2668



23.8430, 0.3381, 0.2198

Complementary

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



23.8430, 0.4475, 0.4829



3.0113, 0.1537, 0.0734

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.



23.8430, 0.2394, 0.1865



23.8430, 0.4475, 0.4829



23.8430, 0.1448, 0.2027

Square

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



23.8430, 0.4475, 0.4829



23.8430, 0.1861, 0.3770



23.8430, 0.1747, 0.1792



23.8430, 0.4459, 0.2741

Rectangle

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



23.8430, 0.4475, 0.4829



23.8430, 0.2938, 0.5136



23.8430, 0.1747, 0.1792



23.8430, 0.3022, 0.2060

Sweetspot

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



23.8442, 0.4475, 0.4829



53.8390, 0.3605, 0.3933



7.1296, 0.6170, 0.3173



11.6839, 0.3670, 0.4015



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.



23.8442, 0.4475, 0.4829



43.0932, 0.4481, 0.4824



26.5600, 0.3598, 0.5525



7.5538, 0.3264, 0.3479



19.6846, 0.4472, 0.4831



0.3931, 0.4346, 0.4931

Inverse Universe

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



3.0113, 0.1537, 0.0734



5.2903, 0.1532, 0.0713



3.2005, 0.1781, 0.0755



6.5851, 0.2988, 0.3093



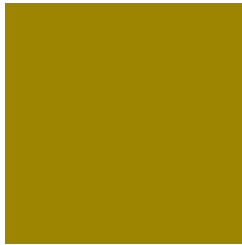
2.5145, 0.1540, 0.0743



0.0843, 0.1682, 0.1256

Previews

White Background



This preview shows how the Yxy color 23.8430, 0.4475, 0.4829 looks on a white background.

Color Contrast Check

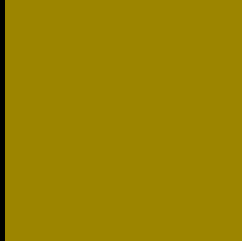
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8430, 0.4475, 0.4829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

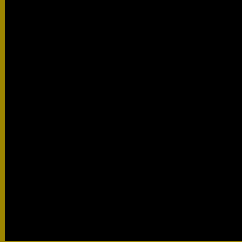
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8430, 0.4475, 0.4829

Background



This preview shows how black text looks on a background with the Yxy color 23.8430, 0.4475, 0.4829.

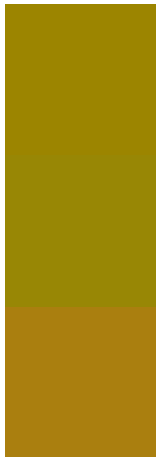


This preview shows how white text looks on a background with the Yxy color 23.8430, 0.4475, 0.4829.

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

23.8430, 0.4475, 0.4829

Protanopia

24.0143, 0.4390, 0.4872

Deuteranopia

23.7593, 0.4685, 0.4589



Tritanopia

23.8953, 0.3500, 0.3151

Trichromacy



Original Color

23.8430, 0.4475, 0.4829

Protanomaly

23.8291, 0.4420, 0.4858

Deuteranomaly

23.7218, 0.4613, 0.4672

Tritanomaly

23.3082, 0.4030, 0.3959

Monochromacy



Original Color

23.8430, 0.4475, 0.4829

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.2518, 0.3770, 0.4147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8430, 0.4475, 0.4829 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(156, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 133, 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(156, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.8430, 0.4475, 0.4829 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(156, 133, 0) }
```

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

```
.border{ border-color:rgb(156, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 133,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8430, 0.4475, 0.4829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 133, 0) }
```

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

```
.background{ background-color: rgb(156,  
133, 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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