

Converting Colors

$Y_{xy}(23.2889, 0.4453, 0.4847)$

Have a look what the booklet for
Yxy(23.2889, 0.4453, 0.4847)
contains.

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Color

Yxy(23.2748, 0.4453, 0.4846)

Conversions

Conversions Part 1

Format	Color
Hex	998400
RGB	153, 132, 0
RGB Percent	60%, 52%, 0%
CMY	0.4000, 0.4823, 0.9997
CMYK	0.00, 0.14, 1.00, 0.40
HSL	52°, 100%, 30%
HSV	52°, 100%, 60%
XYZ	21.3873, 23.2748, 3.3668
YIQ	123.2310, 54.8880, -36.6000

Conversions

Conversions Part 2

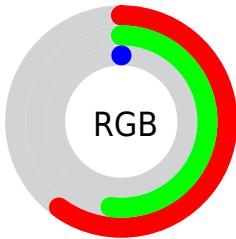
Format	Color
R_{YB}	24, 153, 0
Decimal	10060800
CIE _{Lab}	55.35, -3.44, 60.25
CIE _{LCh}	55, 60.348, 93.271
Y _{xy}	23.2748, 0.4453, 0.4846
Android (android.graphics.Color)	4288250880 (0xFF998400)
YUV	123.2310, -60.7529, 26.1074
Hunter-Lab	48.2440, -5.2952, 29.6331

Details

The Yxy color **23.2748, 0.4453, 0.4846** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8382, 0.1535, 0.0724**, and the grayscale version is **20.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9642, 0.4239, 0.4587**, and **8.7832, 0.4472, 0.4831** is the 20% darker color. If you saturate the color by 10%, you get **23.2734, 0.4453, 0.4846**, and if you desaturate by 10%, it is **23.8865, 0.4390, 0.4818**.

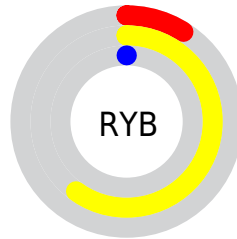
Distribution



Red (60%)

Green (52%)

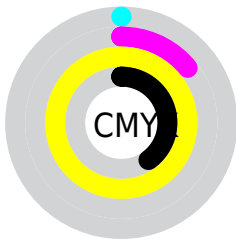
Blue (0%)



Red (9%)

Yellow (60%)

Blue (0%)

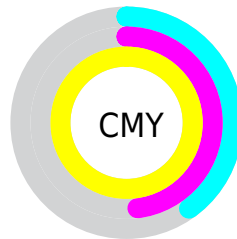


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2748, 0.4453, 0.4846 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 23.2748, 0.4453, 0.4846 by changing the saturation by 10% instead.


 23.2748, 0.4453,
0.4846


 23.2748, 0.4453,
0.4846


269.1333, 0.3807,
0.4065


 14.7965, 0.4568,
0.4998


 48.8442, 0.4242,
0.4583


 8.6767, 0.4741,
0.5229


 66.7040, 0.4154,
0.4475


 4.5309, 0.4727,
0.5273

 88.4599, 0.4076,
0.4382

 1.9748, 0.4680,
0.5320

 114.4962, 0.4008,
0.4301


 0.5928, 0.4471,
0.5529


 145.1973, 0.3948,
0.4231


 0.0000, 0.0000,
0.0000

 180.9476, 0.3895,

0.4169


 222.1315, 0.3848,
0.4114


 23.2748, 0.4453,
0.4846

 23.2748, 0.4453,
0.4846

 23.2734, 0.4453,
0.4846

 23.8865, 0.4390,
0.4818

 24.5349, 0.4306,
0.4756

 25.2330, 0.4196,
0.4652

 25.9857, 0.4063,
0.4508

 26.7973, 0.3914,
0.4333

■ 27.6714, 0.3755,
0.4136

■ 28.6113, 0.3592,
0.3925

■ 29.6202, 0.3431,
0.3710

■ 30.7008, 0.3274,
0.3496

Harmonies

Analogous

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



23.2748, 0.5066, 0.4135



23.2748, 0.4453, 0.4846



23.2748, 0.3557, 0.5266

Triad

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



23.2748, 0.4453, 0.4846



23.2748, 0.1469, 0.2645



23.2748, 0.3411, 0.2211

Complementary

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



23.2748, 0.4453, 0.4846



2.8382, 0.1535, 0.0724

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.



23.2748, 0.2417, 0.1871



23.2748, 0.4453, 0.4846



23.2748, 0.1453, 0.2017

Square

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



23.2748, 0.4453, 0.4846



23.2748, 0.1846, 0.3736



23.2748, 0.1760, 0.1791



23.2748, 0.4484, 0.2758

Rectangle

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



23.2748, 0.4453, 0.4846



23.2748, 0.2913, 0.5120



23.2748, 0.1760, 0.1791



23.2748, 0.3051, 0.2071

Sweetspot

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



23.2759, 0.4453, 0.4846



51.1353, 0.3603, 0.3939



6.8348, 0.6166, 0.3171



11.1455, 0.3666, 0.4021



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.



23.2759, 0.4453, 0.4846



41.4839, 0.4459, 0.4842



25.4589, 0.3599, 0.5524



7.0783, 0.3263, 0.3480



19.2730, 0.4451, 0.4848



0.3230, 0.4322, 0.4951

Inverse Universe

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



2.8382, 0.1535, 0.0724



4.9163, 0.1529, 0.0703



3.0740, 0.1783, 0.0756



6.1563, 0.2988, 0.3092



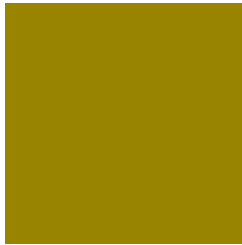
2.3749, 0.1537, 0.0731



0.0664, 0.1677, 0.1237

Previews

White Background



This preview shows how the Yxy color 23.2748, 0.4453, 0.4846 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 23.2748, 0.4453, 0.4846 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 23.2748, 0.4453, 0.4846

Background



This preview shows how black text looks on a background with the Yxy color 23.2748, 0.4453, 0.4846.

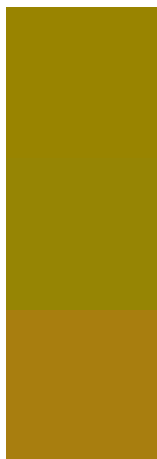


This preview shows how white text looks on a background with the Yxy color 23.2748, 0.4453, 0.4846.

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

23.2748, 0.4453, 0.4846

Protanopia

23.2679, 0.4395, 0.4872

Deuteranopia

23.2810, 0.4676, 0.4594



Tritanopia

23.3054, 0.3478, 0.3148

Trichromacy



Original Color

23.2748, 0.4453, 0.4846

Protanomaly

23.3609, 0.4409, 0.4866

Deuteranomaly

23.2468, 0.4604, 0.4678

Tritanomaly

22.7299, 0.4011, 0.3970

Monochromacy



Original Color

23.2748, 0.4453, 0.4846

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.5401, 0.3779, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2748, 0.4453, 0.4846 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, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 132, 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, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 132, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.2748, 0.4453, 0.4846 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, 132, 0) }
```

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

```
.border{ border-color:rgb(153, 132, 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, 132, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 132,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2748, 0.4453, 0.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 132, 0) }
```

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

```
.background{ background-color: rgb(153,  
132, 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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