

Converting Colors

$Y_{xy}(24.8920, 0.5021, 0.4395)$

Have a look what the booklet for
Yxy(24.8920, 0.5021, 0.4395)
contains.

Yxy(24.7511, 0.5026, 0.4392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(24.7511, 0.5026, 0.4392)$

Conversions

Conversions Part 1

Format	Color
Hex	BF7900
RGB	191, 121, 0
RGB Percent	75%, 47%, 0%
CMY	0.2510, 0.5255, 1.0000
CMYK	0.00, 0.37, 1.00, 0.25
HSL	38°, 100%, 37%
HSV	38°, 100%, 75%
XYZ	28.3240, 24.7511, 3.2799
YIQ	128.1360, 80.5610, -22.7910

Conversions

Conversions Part 2

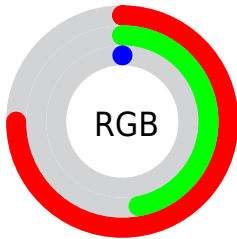
Format	Color
R _Y B	110, 191, 0
Decimal	12548352
CIE Lab	56.83, 20.04, 63.34
CIE LCh	57, 66.438, 72.444
Yxy	24.7511, 0.5026, 0.4392
Android (android.graphics.Color)	4290738432 (0xFFBF7900)
YUV	128.1360, -63.1710, 55.1317
Hunter-Lab	49.7505, 14.5605, 30.9166

Details

The Yxy color **24.7511, 0.5026, 0.4392** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.1428, 0.1657, 0.1163**, and the grayscale version is **21.8400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1871, 0.4706, 0.4264**, and **9.5403, 0.5238, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **24.7527, 0.5026, 0.4392**, and if you desaturate by 10%, it is **26.5639, 0.4880, 0.4421**.

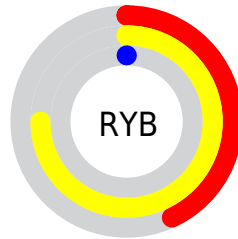
Distribution



Red (75%)

Green (47%)

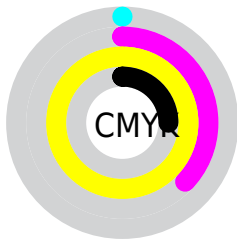
Blue (0%)



Red (43%)

Yellow (75%)

Blue (0%)

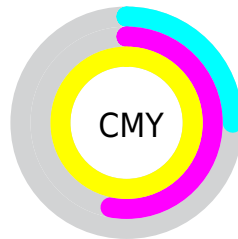


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7511, 0.5026, 0.4392 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 24.7511, 0.5026, 0.4392 by changing the saturation by 10% instead.


 24.7511, 0.5026,
0.4392

 24.7511, 0.5026,
0.4392


276.5961, 0.4072,
0.3937


 15.8917, 0.5221,
0.4434


 51.2531, 0.4702,
0.4272

 9.4476, 0.5501,
0.4494


 69.6646, 0.4571,
0.4212


 5.0342, 0.5642,
0.4358


 92.0289, 0.4458,
0.4155

 2.2674, 0.5858,
0.4142

 118.7303, 0.4359,
0.4103

 0.7564, 0.6256,
0.3744

 150.1534, 0.4273,
0.4055


 0.0000, 1.0000,
0.0000


 186.6824, 0.4198,


 0.0000, 0.0000,


0.4012


0.0000

 228.7019, 0.4131,
0.3973

 24.7511, 0.5026,
0.4392


 24.7511, 0.5026,
0.4392

 24.7527, 0.5026,
0.4392

 26.5639, 0.4880,
0.4421

 28.5475, 0.4707,
0.4405

 30.7230, 0.4507,
0.4340

 33.1011, 0.4292,
0.4234

 35.6914, 0.4071,
0.4097

■ 38.5024, 0.3854,
0.3941

■ 41.5420, 0.3648,
0.3775

■ 44.8176, 0.3458,
0.3608

■ 48.3361, 0.3284,
0.3445

Harmonies

Analogous

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



24.7511, 0.5325, 0.3625



24.7511, 0.5026, 0.4392



24.7511, 0.4239, 0.5130

Triad

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



24.7511, 0.5026, 0.4392



24.7511, 0.1593, 0.3356



24.7511, 0.2654, 0.1871

Complementary

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



24.7511, 0.5026, 0.4392



8.1428, 0.1657, 0.1163

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.



24.7511, 0.1846, 0.1699



24.7511, 0.5026, 0.4392



24.7511, 0.1331, 0.2330

Square

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



24.7511, 0.5026, 0.4392



24.7511, 0.2270, 0.4695



24.7511, 0.1421, 0.1822



24.7511, 0.3795, 0.2300

Rectangle

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



24.7511, 0.5026, 0.4392



24.7511, 0.3585, 0.5415



24.7511, 0.1421, 0.1822



24.7511, 0.2340, 0.1783

Sweetspot

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



24.7527, 0.5026, 0.4392



74.1277, 0.3658, 0.3783



11.5200, 0.5518, 0.2813



15.7582, 0.3744, 0.3854



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



24.7527, 0.5026, 0.4392



43.8489, 0.5042, 0.4379



45.3221, 0.3960, 0.5238



10.5165, 0.3273, 0.3435



16.4235, 0.5011, 0.4403



0.7640, 0.4768, 0.4596

Inverse Universe

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



8.1428, 0.1657, 0.1163



14.1602, 0.1649, 0.1136



3.9746, 0.1550, 0.0628



9.7826, 0.2984, 0.3141



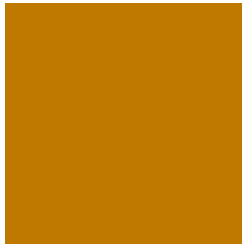
5.4925, 0.1663, 0.1188



0.3411, 0.1802, 0.1688

Previews

White Background



This preview shows how the Yxy color 24.7511, 0.5026, 0.4392 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 24.7511, 0.5026, 0.4392 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 24.7511, 0.5026, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 24.7511, 0.5026, 0.4392.



This preview shows how white text looks on a background with the Yxy color 24.7511, 0.5026, 0.4392.

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

24.7511, 0.5026, 0.4392

Protanopia

24.7931, 0.4368, 0.4845

Deuteranopia

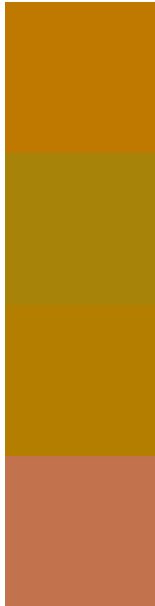
24.8495, 0.4710, 0.4642



Tritanopia

24.7046, 0.4110, 0.3172

Trichromacy



Original Color

24.7511, 0.5026, 0.4392

Protanomaly

24.4678, 0.4610, 0.4680

Deuteranomaly

24.8820, 0.4828, 0.4548

Tritanomaly

24.2666, 0.4635, 0.3784

Monochromacy



Original Color

24.7511, 0.5026, 0.4392

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8406, 0.3976, 0.4023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7511, 0.5026, 0.4392 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(191, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 121, 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(191, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.7511, 0.5026, 0.4392 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(191, 121, 0) }
```

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

```
.border{ border-color:rgb(191, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7511, 0.5026, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 121, 0) }
```

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

```
.background{ background-color: rgb(191,  
121, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor