

Converting Colors

$Y_{xy}(25.3331, 0.4996, 0.4415)$

Have a look what the booklet for
Yxy(25.3331, 0.4996, 0.4415)
contains.

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Color

Yxy(25.2423, 0.4997, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	BF7B00
RGB	191, 123, 0
RGB Percent	75%, 48%, 0%
CMY	0.2509, 0.5176, 1.0000
CMYK	0.00, 0.36, 1.00, 0.25
HSL	39°, 100%, 37%
HSV	39°, 100%, 75%
XYZ	28.5698, 25.2423, 3.3618
YIQ	129.3100, 80.0110, -23.8370

Conversions

Conversions Part 2

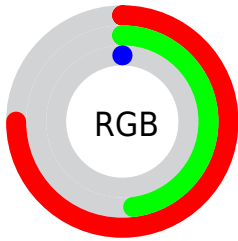
Format	Color
R_{YB}	106, 191, 0
Decimal	12548864
CIE Lab	57.31, 18.94, 63.65
CIE LCh	57, 66.412, 73.430
Yxy	25.2423, 0.4997, 0.4415
Android (android.graphics.Color)	4290738944 (0xFFBF7B00)
YUV	129.3100, -63.7498, 54.1021
Hunter-Lab	50.2417, 13.5806, 31.2019

Details

The Yxy color **25.2423, 0.4997, 0.4415** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.8969, 0.1649, 0.1135**, and the grayscale version is **22.2759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9599, 0.4688, 0.4282**, and **9.8031, 0.5195, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **25.2439, 0.4997, 0.4415**, and if you desaturate by 10%, it is **27.0377, 0.4856, 0.4441**.

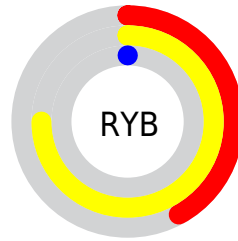
Distribution



Red (75%)

Green (48%)

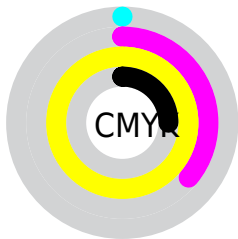
Blue (0%)



Red (42%)

Yellow (75%)

Blue (0%)

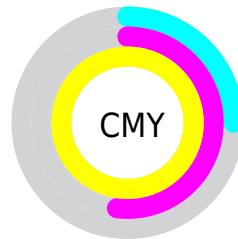


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2423, 0.4997, 0.4415 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 25.2423, 0.4997, 0.4415 by changing the saturation by 10% instead.


 25.2423, 0.4997,
0.4415

 25.2423, 0.4997,
0.4415


279.0425, 0.4062,
0.3946


 16.2577, 0.5186,
0.4462


 52.0500, 0.4680,
0.4289


 9.7067, 0.5454,
0.4524


 70.6419, 0.4552,
0.4227

 5.2049, 0.5595,
0.4405


 93.2050, 0.4441,
0.4168

 2.3680, 0.5795,
0.4205

 120.1237, 0.4344,
0.4115

 0.8093, 0.6154,
0.3846

 151.7824, 0.4260,
0.4066

 0.0000, 1.0000,
0.0000


 188.5655, 0.4186,


 0.0000, 0.0000,


0.4022

0.0000

 230.8574, 0.4120,
0.3982

 25.2423, 0.4997,
0.4415


 25.2423, 0.4997,
0.4415


 25.2439, 0.4997,
0.4415

 27.0377, 0.4856,
0.4441

 28.9975, 0.4688,
0.4423

 31.1424, 0.4493,
0.4356

 33.4830, 0.4281,
0.4248

 36.0286, 0.4064,
0.4109

■ 38.7877, 0.3850,
0.3951

■ 41.7679, 0.3646,
0.3783

■ 44.9764, 0.3457,
0.3613

■ 48.4199, 0.3283,
0.3448

Harmonies

Analogous

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



25.2423, 0.5313, 0.3651



25.2423, 0.4997, 0.4415



25.2423, 0.4205, 0.5141

Triad

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



25.2423, 0.4997, 0.4415



25.2423, 0.1587, 0.3315



25.2423, 0.2690, 0.1888

Complementary

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



25.2423, 0.4997, 0.4415



7.8969, 0.1649, 0.1135

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.



25.2423, 0.1873, 0.1708



25.2423, 0.4997, 0.4415



25.2423, 0.1337, 0.2312

Square

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



25.2423, 0.4997, 0.4415



25.2423, 0.2248, 0.4645



25.2423, 0.1438, 0.1821



25.2423, 0.3830, 0.2324

Rectangle

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



25.2423, 0.4997, 0.4415



25.2423, 0.3552, 0.5406



25.2423, 0.1438, 0.1821



25.2423, 0.2374, 0.1798

Sweetspot

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



25.2439, 0.4997, 0.4415



74.5367, 0.3656, 0.3791



11.5201, 0.5518, 0.2813



15.8583, 0.3741, 0.3863



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.



25.2439, 0.4997, 0.4415



44.7320, 0.5012, 0.4402



45.3227, 0.3960, 0.5238



10.5334, 0.3273, 0.3437



16.7448, 0.4983, 0.4426



0.7751, 0.4748, 0.4612

Inverse Universe

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



7.8969, 0.1649, 0.1135



13.7273, 0.1641, 0.1108



3.9746, 0.1550, 0.0628



9.7663, 0.2984, 0.3138



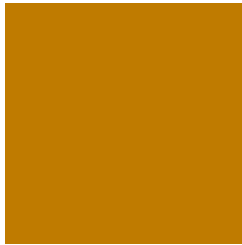
5.3286, 0.1656, 0.1159



0.3338, 0.1795, 0.1662

Previews

White Background



This preview shows how the Yxy color 25.2423, 0.4997, 0.4415 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 25.2423, 0.4997, 0.4415 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 25.2423, 0.4997, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 25.2423, 0.4997, 0.4415.



This preview shows how white text looks on a background with the Yxy color 25.2423, 0.4997, 0.4415.

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

25.2423, 0.4997, 0.4415

Protanopia

25.2739, 0.4382, 0.4842

Deuteranopia

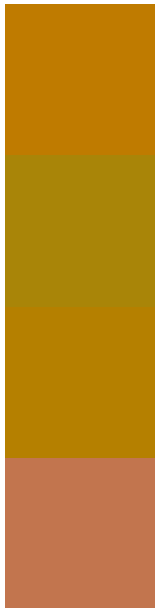
25.3466, 0.4718, 0.4636



Tritanopia

25.2005, 0.4072, 0.3172

Trichromacy



Original Color

25.2423, 0.4997, 0.4415

Protanomaly

25.2276, 0.4607, 0.4688

Deuteranomaly

25.2621, 0.4824, 0.4552

Tritanomaly

24.7420, 0.4604, 0.3799

Monochromacy



Original Color

25.2423, 0.4997, 0.4415

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4633, 0.3962, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2423, 0.4997, 0.4415 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, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 123, 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, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.2423, 0.4997, 0.4415 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, 123, 0) }
```

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

```
.border{ border-color:rgb(191, 123, 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, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2423, 0.4997, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 123, 0) }
```

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

```
.background{ background-color: rgb(191,  
123, 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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