

Converting Colors

$Y_{xy}(22.5305, 0.4991, 0.4419)$

Have a look what the booklet for
Yxy(22.5305, 0.4991, 0.4419)
contains.

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Color

Yxy(22.5463, 0.4986, 0.4423)

Conversions

Conversions Part 1

Format	Color
Hex	B57500
RGB	181, 117, 0
RGB Percent	71%, 46%, 0%
CMY	0.2902, 0.5411, 0.9999
CMYK	0.00, 0.35, 1.00, 0.29
HSL	39°, 100%, 35%
HSV	39°, 100%, 71%
XYZ	25.4162, 22.5463, 3.0126
YIQ	122.7980, 75.7010, -22.8190

Conversions

Conversions Part 2

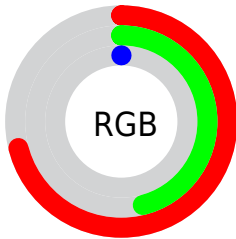
Format	Color
R_{YB}	99, 181, 0
Decimal	11891968
CIE Lab	54.60, 17.81, 61.24
CIE LCh	55, 63.773, 73.785
Yxy	22.5463, 0.4986, 0.4423
Android (android.graphics.Color)	4290082048 (0xFFB57500)
YUV	122.7980, -60.5394, 51.0432
Hunter-Lab	47.4829, 12.4506, 29.4763

Details

The Yxy color **22.5463, 0.4986, 0.4423** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0032, 0.1649, 0.1135**, and the grayscale version is **19.9233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6465, 0.4663, 0.4290**, and **8.3938, 0.5172, 0.4275** is the 20% darker color. If you saturate the color by 10%, you get **22.5458, 0.4986, 0.4423**, and if you desaturate by 10%, it is **24.1342, 0.4845, 0.4446**.

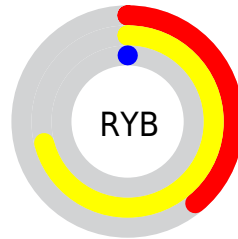
Distribution



Red (71%)

Green (46%)

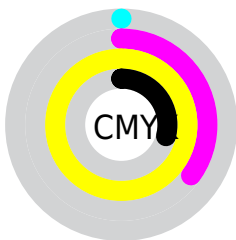
Blue (0%)



Red (39%)

Yellow (71%)

Blue (0%)

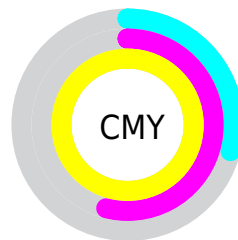


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5463, 0.4986, 0.4423 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 22.5463, 0.4986, 0.4423 by changing the saturation by 10% instead.


 22.5463, 0.4986,
0.4423


 22.5463, 0.4986,
0.4423


265.3861, 0.4038,
0.3937


 14.2589, 0.5182,
0.4473


 47.6473, 0.4661,
0.4290


 8.3009, 0.5460,
0.4540


 65.2296, 0.4530,
0.4224


 4.2881, 0.5597,
0.4403

 86.6790, 0.4418,
0.4164

 1.8360, 0.5815,
0.4185

 112.3799, 0.4320,
0.4109


 0.5095, 0.6439,
0.3561


 142.7166, 0.4236,
0.4059

 0.0000, 0.0000,
0.0000


 178.0736, 0.4161,


0.4014

 218.8353, 0.4096,
0.3973


 22.5463, 0.4986,
0.4423

 22.5463, 0.4986,
0.4423


 22.5458, 0.4986,
0.4423

 24.1342, 0.4845,
0.4446

 25.8655, 0.4677,
0.4426

 27.7585, 0.4484,
0.4358

 29.8227, 0.4274,
0.4248

 32.0660, 0.4058,
0.4109

■ 34.4958, 0.3846,
0.3950

■ 37.1187, 0.3643,
0.3783

■ 39.9411, 0.3455,
0.3613

■ 42.9687, 0.3283,
0.3448

Harmonies

Analogous

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



22.5463, 0.5308, 0.3660



22.5463, 0.4986, 0.4423



22.5463, 0.4193, 0.5144

Triad

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



22.5463, 0.4986, 0.4423



22.5463, 0.1585, 0.3300



22.5463, 0.2704, 0.1895

Complementary

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



22.5463, 0.4986, 0.4423



7.0032, 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.



22.5463, 0.1884, 0.1712



22.5463, 0.4986, 0.4423



22.5463, 0.1340, 0.2307

Square

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



22.5463, 0.4986, 0.4423



22.5463, 0.2241, 0.4626



22.5463, 0.1445, 0.1821



22.5463, 0.3842, 0.2332

Rectangle

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



22.5463, 0.4986, 0.4423



22.5463, 0.3540, 0.5401



22.5463, 0.1445, 0.1821



22.5463, 0.2387, 0.1804

Sweetspot

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



22.5475, 0.4986, 0.4423



66.2359, 0.3653, 0.3791



10.2211, 0.5508, 0.2808



13.8874, 0.3736, 0.3861



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



22.5475, 0.4986, 0.4423



39.9391, 0.5002, 0.4410



40.1991, 0.3961, 0.5237



9.3909, 0.3272, 0.3437



15.6782, 0.4973, 0.4433



0.5982, 0.4706, 0.4646

Inverse Universe

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



7.0032, 0.1649, 0.1135



12.1530, 0.1641, 0.1106



3.5323, 0.1552, 0.0629



8.7054, 0.2985, 0.3139



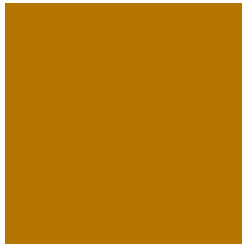
4.9470, 0.1655, 0.1157



0.2681, 0.1819, 0.1750

Previews

White Background



This preview shows how the Yxy color 22.5463, 0.4986, 0.4423 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 22.5463, 0.4986, 0.4423 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 22.5463, 0.4986, 0.4423

Background



This preview shows how black text looks on a background with the Yxy color 22.5463, 0.4986, 0.4423.



This preview shows how white text looks on a background with the Yxy color 22.5463, 0.4986, 0.4423.

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

22.5463, 0.4986, 0.4423

Protanopia

22.8275, 0.4363, 0.4850

Deuteranopia

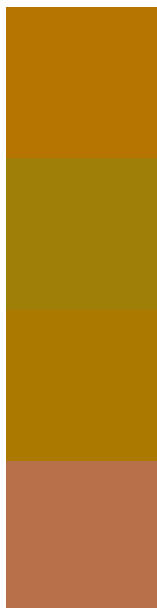
22.5223, 0.4719, 0.4635



Tritanopia

22.6607, 0.4059, 0.3180

Trichromacy



Original Color

22.5463, 0.4986, 0.4423

Protanomaly

22.6699, 0.4588, 0.4699

Deuteranomaly

22.3327, 0.4820, 0.4555

Tritanomaly

22.2731, 0.4586, 0.3812

Monochromacy



Original Color

22.5463, 0.4986, 0.4423

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1541, 0.3949, 0.4037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5463, 0.4986, 0.4423 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(181, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 117, 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(181, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.5463, 0.4986, 0.4423 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(181, 117, 0) }
```

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

```
.border{ border-color:rgb(181, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5463, 0.4986, 0.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 117, 0) }
```

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

```
.background{ background-color: rgb(181,  
117, 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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