

Converting Colors

$Y_{xy}(24.2442, 0.4906, 0.4465)$

Have a look what the booklet for
Yxy(24.2442, 0.4906, 0.4465)
contains.

Yxy(24.2442, 0.4906, 0.4465)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.2442, 0.4906, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	B77B05
RGB	183, 123, 5
RGB Percent	72%, 48%, 2%
CMY	0.2823, 0.5176, 0.9809
CMYK	0.00, 0.33, 0.97, 0.28
HSL	40°, 95%, 37%
HSV	40°, 97%, 72%
XYZ	26.6388, 24.2442, 3.4154
YIQ	127.4880, 73.6380, -23.9780

Conversions

Conversions Part 2

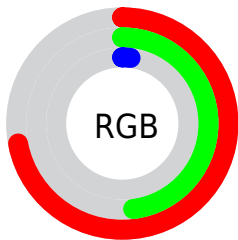
Format	Color
R_{YB}	96, 183, 5
Decimal	12024581
CIE Lab	56.33, 15.44, 61.63
CIE LCh	56, 63.539, 75.938
Yxy	24.2442, 0.4906, 0.4465
Android (android.graphics.Color)	4290214661 (0xFFB77B05)
YUV	127.4880, -60.3866, 48.6840
Hunter-Lab	49.2384, 10.4041, 30.3543

Details

The Yxy color **24.2442, 0.4906, 0.4465** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.2165, 0.1656, 0.1139**, and the grayscale version is **21.5897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3352, 0.4603, 0.4311**, and **9.2575, 0.5102, 0.4331** is the 20% darker color. If you saturate the color by 10%, you get **23.8306, 0.4941, 0.4459**, and if you desaturate by 10%, it is **25.8752, 0.4768, 0.4477**.

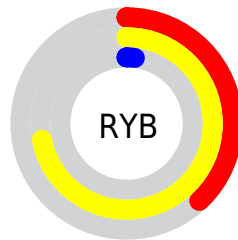
Distribution



Red (72%)

Green (48%)

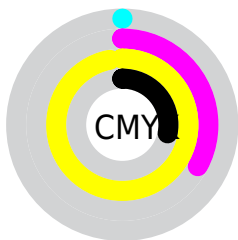
Blue (2%)



Red (38%)

Yellow (72%)

Blue (2%)

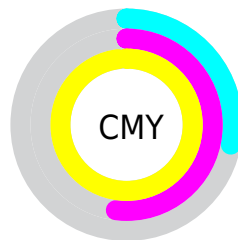


Cyan (0%)

Magenta (33%)

Yellow (97%)

Black (28%)



Cyan (28%)


Magenta (52%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2442, 0.4906, 0.4465 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 24.2442, 0.4906, 0.4465 by changing the saturation by 10% instead.


 24.2442, 0.4906,
0.4465


 24.2442, 0.4906,
0.4465


274.0528, 0.4009,
0.3951


 15.5149, 0.5089,
0.4528


 50.4284, 0.4600,
0.4318

 9.1815, 0.5350,
0.4615


 68.6521, 0.4477,
0.4249

 4.8598, 0.5481,
0.4519

 90.8093, 0.4371,
0.4185

 2.1652, 0.5657,
0.4343

 117.2845, 0.4278,
0.4128


 0.7009, 0.6019,
0.3981


 148.4620, 0.4198,
0.4077


 0.0000, 0.0000,
0.0000


 184.7263, 0.4127,

0.4030

 226.4618, 0.4065,
0.3989


 24.2442, 0.4906,
0.4465

 24.2442, 0.4906,
0.4465

 23.8306, 0.4941,
0.4459

 25.8752, 0.4768,
0.4477

 27.6520, 0.4601,
0.4441

 29.5881, 0.4409,
0.4357

 31.6923, 0.4203,
0.4236

 33.9725, 0.3992,
0.4087

■ 36.4357, 0.3786,
0.3922

■ 39.0884, 0.3589,
0.3749

■ 41.9367, 0.3407,
0.3576

■ 44.9863, 0.3240,
0.3408

Harmonies

Analogous

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



24.2442, 0.5255, 0.3715



24.2442, 0.4906, 0.4465



24.2442, 0.4113, 0.5144

Triad

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



24.2442, 0.4906, 0.4465



24.2442, 0.1590, 0.3219



24.2442, 0.2788, 0.1947

Complementary

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



24.2442, 0.4906, 0.4465



7.2165, 0.1656, 0.1139

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.



24.2442, 0.1956, 0.1748



24.2442, 0.4906, 0.4465



24.2442, 0.1373, 0.2285

Square

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



24.2442, 0.4906, 0.4465



24.2442, 0.2208, 0.4498



24.2442, 0.1498, 0.1835



24.2442, 0.3908, 0.2393

Rectangle

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



24.2442, 0.4906, 0.4465



24.2442, 0.3470, 0.5349



24.2442, 0.1498, 0.1835



24.2442, 0.2469, 0.1851

Sweetspot

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



24.2454, 0.4906, 0.4465



68.9573, 0.3630, 0.3786



10.5813, 0.5496, 0.2823



14.7817, 0.3714, 0.3860



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



24.2454, 0.4906, 0.4465



42.2365, 0.4956, 0.4447



40.9748, 0.3933, 0.5244



9.9799, 0.3272, 0.3441



16.7549, 0.4930, 0.4468



0.7000, 0.4696, 0.4653

Inverse Universe

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



7.2165, 0.1656, 0.1139



11.8426, 0.1628, 0.1061



3.8255, 0.1582, 0.0659



9.2007, 0.2985, 0.3134



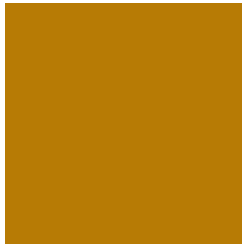
4.8763, 0.1642, 0.1111



0.2892, 0.1794, 0.1659

Previews

White Background



This preview shows how the Yxy color 24.2442, 0.4906, 0.4465 looks on a white background.

Color Contrast Check

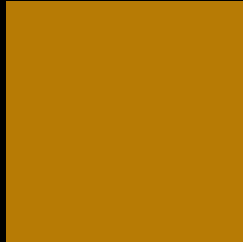
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2442, 0.4906, 0.4465 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 24.2442, 0.4906, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 24.2442, 0.4906, 0.4465.



This preview shows how white text looks on a background with the Yxy color 24.2442, 0.4906, 0.4465.

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

24.2442, 0.4906, 0.4465

Protanopia

24.4097, 0.4372, 0.4847

Deuteranopia

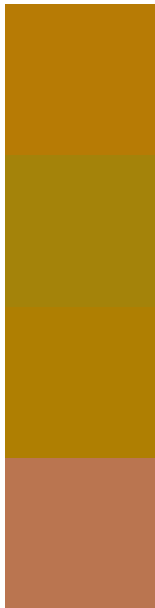
24.3584, 0.4703, 0.4648



Tritanopia

24.1561, 0.3976, 0.3166

Trichromacy



Original Color

24.2442, 0.4906, 0.4465

Protanomaly

24.1470, 0.4574, 0.4704

Deuteranomaly

24.2971, 0.4770, 0.4585

Tritanomaly

23.7409, 0.4490, 0.3799

Monochromacy



Original Color

24.2442, 0.4906, 0.4465

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.7493, 0.3894, 0.4022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2442, 0.4906, 0.4465 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(183, 123, 5)` looks like.

```
.text, #text, p{  
    color:rgb(183, 123, 5)  
}
```

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(183, 123, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 123, 5) }
```

Border

The CSS property to change the border of an element to Yxy 24.2442, 0.4906, 0.4465 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(183, 123, 5) }
```

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

```
.border{ border-color:rgb(183, 123, 5) }
```

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

Here you see how a box with a 4 pixel rgb(183, 123, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 123, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 123, 5);  
box-shadow:4px 4px 4px 4px rgb(183, 123,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2442, 0.4906, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 123, 5) }
```

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

```
.background{ background-color: rgb(183,  
123, 5) }
```

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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