

Converting Colors

$Y_{xy}(23.4177, 0.4841, 0.4538)$

Have a look what the booklet for
Yxy(23.4177, 0.4841, 0.4538)
contains.

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Color

Yxy(23.3960, 0.4844, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	B07B00
RGB	176, 123, 0
RGB Percent	69%, 48%, 0%
CMY	0.3099, 0.5176, 1.0000
CMYK	0.00, 0.30, 1.00, 0.31
HSL	42°, 100%, 35%
HSV	42°, 100%, 69%
XYZ	24.9846, 23.3960, 3.1979
YIQ	124.8250, 71.0710, -27.0170

Conversions

Conversions Part 2

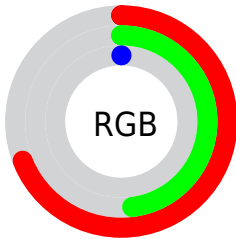
Format	Color
RYB	76, 176, 0
Decimal	11565824
CIELab	55.48, 12.20, 61.53
CIELCh	55, 62.729, 78.786
Yxy	23.3960, 0.4844, 0.4536
Android (android.graphics.Color)	4289755904 (0xFFB07B00)
YUV	124.8250, -61.5387, 44.8805
Hunter-Lab	48.3694, 7.5555, 29.9387

Details

The Yxy color **23.3960, 0.4844, 0.4536** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.6775, 0.1613, 0.1005**, and the grayscale version is **20.6400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8981, 0.4552, 0.4370**, and **8.8837, 0.4979, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **23.3973, 0.4844, 0.4536**, and if you desaturate by 10%, it is **24.7898, 0.4724, 0.4545**.

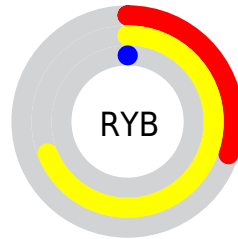
Distribution



Red (69%)

Green (48%)

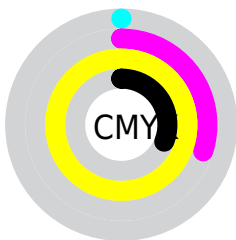
Blue (0%)



Red (30%)

Yellow (69%)

Blue (0%)

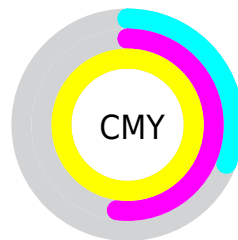


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3960, 0.4844, 0.4536 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 23.3960, 0.4844, 0.4536 by changing the saturation by 10% instead.


 23.3960, 0.4844,
0.4536


 23.3960, 0.4844,
0.4536

269.7525, 0.3980,
0.3975


 14.8862, 0.5017,
0.4612


 49.0427, 0.4551,
0.4370


 8.7395, 0.5274,
0.4726


 66.9485, 0.4432,
0.4294

 4.5717, 0.5367,
0.4633

 88.7549, 0.4329,
0.4225

 1.9982, 0.5517,
0.4483

 114.8466, 0.4240,
0.4163


 0.6064, 0.5905,
0.4095


 145.6077, 0.4162,
0.4108


 0.0000, 0.0000,
0.0000


 181.4228, 0.4094,


0.4059


 222.6763, 0.4033,
0.4014


 23.3960, 0.4844,
0.4536


 23.3960, 0.4844,
0.4536


 23.3973, 0.4844,
0.4536

 24.7898, 0.4724,
0.4545

 26.2924, 0.4580,
0.4514

 27.9208, 0.4410,
0.4436

 29.6829, 0.4221,
0.4317

 31.5855, 0.4023,
0.4167

■ 33.6349, 0.3824,
0.3998

■ 35.8366, 0.3631,
0.3819

■ 38.1959, 0.3450,
0.3638

■ 40.7176, 0.3281,
0.3460

Harmonies

Analogous

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



23.3960, 0.5247, 0.3784



23.3960, 0.4844, 0.4536



23.3960, 0.4025, 0.5190

Triad

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



23.3960, 0.4844, 0.4536



23.3960, 0.1554, 0.3109



23.3960, 0.2886, 0.1980

Complementary

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



23.3960, 0.4844, 0.4536



5.6775, 0.1613, 0.1005

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.



23.3960, 0.2020, 0.1756



23.3960, 0.4844, 0.4536



23.3960, 0.1372, 0.2224

Square

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



23.3960, 0.4844, 0.4536



23.3960, 0.2133, 0.4379



23.3960, 0.1528, 0.1814



23.3960, 0.4016, 0.2447

Rectangle

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



23.3960, 0.4844, 0.4536



23.3960, 0.3375, 0.5347



23.3960, 0.1528, 0.1814



23.3960, 0.2556, 0.1876

Sweetspot

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



23.3973, 0.4844, 0.4536



64.7925, 0.3641, 0.3829



9.5111, 0.5694, 0.2910



13.6797, 0.3720, 0.3903



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.3973, 0.4844, 0.4536



42.0281, 0.4858, 0.4525



36.9483, 0.3874, 0.5306



9.4662, 0.3270, 0.3449



17.2767, 0.4835, 0.4543



0.6400, 0.4618, 0.4715

Inverse Universe

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



5.6775, 0.1613, 0.1005



9.9511, 0.1605, 0.0977



3.4453, 0.1587, 0.0648



8.6334, 0.2985, 0.3126



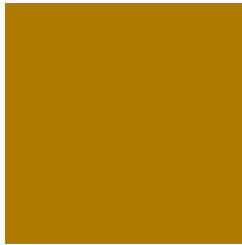
4.2580, 0.1618, 0.1024



0.2390, 0.1781, 0.1611

Previews

White Background



This preview shows how the Yxy color 23.3960, 0.4844, 0.4536 looks on a white background.

Color Contrast Check

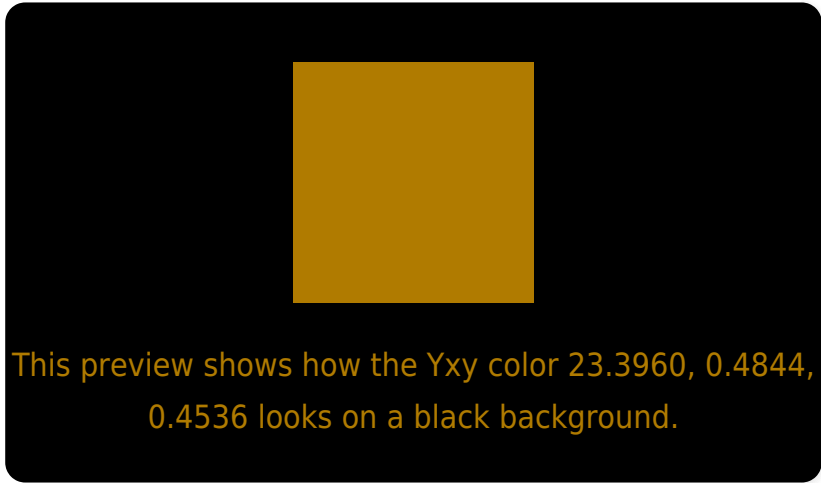
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 23.3960, 0.4844, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 23.3960, 0.4844, 0.4536.



This preview shows how white text looks on a background with the Yxy color 23.3960, 0.4844, 0.4536.

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

23.3960, 0.4844, 0.4536

Protanopia

23.5584, 0.4366, 0.4860

Deuteranopia

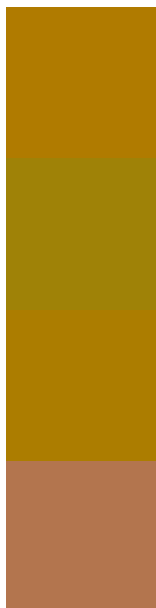
23.3567, 0.4724, 0.4631



Tritanopia

23.2884, 0.3889, 0.3162

Trichromacy



Original Color

23.3960, 0.4844, 0.4536

Protanomaly

23.3515, 0.4536, 0.4746

Deuteranomaly

23.4379, 0.4772, 0.4593

Tritanomaly

22.8563, 0.4431, 0.3847

Monochromacy



Original Color

23.3960, 0.4844, 0.4536

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.9238, 0.3903, 0.4051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3960, 0.4844, 0.4536 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(176, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.3960, 0.4844, 0.4536 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(176, 123, 0) }
```

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

```
.border{ border-color:rgb(176, 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(176, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3960, 0.4844, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 123, 0) }
```

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

```
.background{ background-color: rgb(176,  
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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