

Converting Colors

$Y_{xy}(23.7772, 0.4464, 0.4184)$

Have a look what the booklet for
Yxy(23.7772, 0.4464, 0.4184)
contains.

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Color

Yxy(23.8884, 0.4459, 0.4192)

Conversions

Conversions Part 1

Format	Color
Hex	AD7D3D
RGB	173, 125, 61
RGB Percent	68%, 49%, 24%
CMY	0.3216, 0.5098, 0.7608
CMYK	0.00, 0.28, 0.65, 0.32
HSL	34°, 48%, 46%
HSV	34°, 65%, 68%
XYZ	25.4099, 23.8884, 7.6874
YIQ	132.0560, 49.1520, -9.7280

Conversions

Conversions Part 2

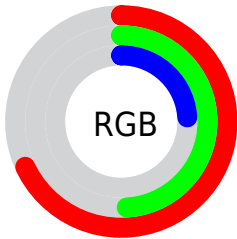
Format	Color
RYB	145, 173, 61
Decimal	11369789
CIELab	55.98, 11.86, 41.43
CIELCh	56, 43.099, 74.027
Yxy	23.8884, 0.4459, 0.4192
Android (android.graphics.Color)	4289559869 (0xFFAD7D3D)
YUV	132.0560, -35.0306, 35.9079
Hunter-Lab	48.8758, 7.2674, 24.8877

Details

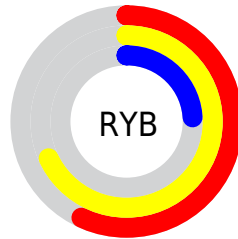
The Yxy color **23.8884, 0.4459, 0.4192** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.9479, 0.2089, 0.2090**, and the grayscale version is **23.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9774, 0.4184, 0.4041**, and **8.9750, 0.4874, 0.4383** is the 20% darker color. If you saturate the color by 10%, you get **21.9244, 0.4696, 0.4269**, and if you desaturate by 10%, it is **26.0550, 0.4217, 0.4080**.

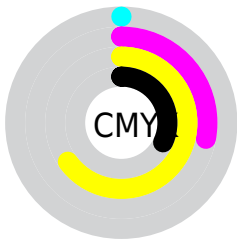
Distribution



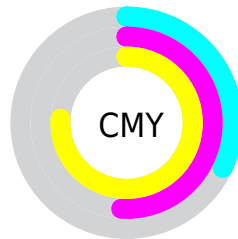
- Red (68%)
- Green (49%)
- Blue (24%)



- Red (57%)
- Yellow (68%)
- Blue (24%)



- Cyan (0%)
- Magenta (28%)
- Yellow (65%)
- Black (32%)





- Cyan (32%)
- Magenta (51%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8884, 0.4459, 0.4192 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 23.8884, 0.4459, 0.4192 by changing the saturation by 10% instead.


 23.8884, 0.4459,
0.4192


 23.8884, 0.4459,
0.4192


272.2558, 0.3741,
0.3742

 15.2509, 0.4642,
0.4287


 49.8480, 0.4192,
0.4037

 8.9956, 0.4869,
0.4388


 67.9389, 0.4092,
0.3975

 4.7383, 0.5228,
0.4547


 89.9497, 0.4009,
0.3922

 2.0946, 0.5491,
0.4509

 116.2647, 0.3939,
0.3876

 0.6616, 0.5819,
0.4181

 147.2685, 0.3879,
0.3836

 0.0000, 0.0000,
0.0000

 183.3453, 0.3827,

0.3801

224.8796, 0.3781,
0.3770

■ 23.8884, 0.4459,
0.4192

■ 23.8884, 0.4459,
0.4192

■ 21.9244, 0.4696,
0.4269

■ 26.0550, 0.4217,
0.4080

■ 20.1505, 0.4914,
0.4301

■ 28.4290, 0.3980,
0.3945

■ 18.5573, 0.5101,
0.4281

■ 31.0189, 0.3757,
0.3798

■ 17.7811, 0.5193,
0.4259

■ 33.8318, 0.3551,
0.3647

■ 36.8743, 0.3365,
0.3498

■ 40.1526, 0.3199,
0.3355

■ 43.6728, 0.3052,
0.3220

■ 47.4405, 0.2922,
0.3094

■ 51.4612, 0.2807,
0.2978

Harmonies

Analogous

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



23.8884, 0.4616, 0.3650



23.8884, 0.4459, 0.4192



23.8884, 0.3943, 0.4598

Triad

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



23.8884, 0.4459, 0.4192



23.8884, 0.2050, 0.3330



23.8884, 0.2862, 0.2284

Complementary

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



23.8884, 0.4459, 0.4192



14.9479, 0.2089, 0.2090

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.



23.8884, 0.2257, 0.2150



23.8884, 0.4459, 0.4192



23.8884, 0.1836, 0.2648

Square

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



23.8884, 0.4459, 0.4192



23.8884, 0.2551, 0.4126



23.8884, 0.1909, 0.2257



23.8884, 0.3628, 0.2620

Rectangle

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



23.8884, 0.4459, 0.4192



23.8884, 0.3486, 0.4675



23.8884, 0.1909, 0.2257



23.8884, 0.2635, 0.2215

Sweetspot

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



23.8896, 0.4459, 0.4192



63.4829, 0.3448, 0.3566



13.3384, 0.4247, 0.2611



13.4708, 0.3500, 0.3608



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.8896, 0.4459, 0.4192



37.7534, 0.4800, 0.4290



38.2815, 0.3934, 0.4794



8.7464, 0.3273, 0.3420



13.1778, 0.5179, 0.4269



0.4723, 0.4808, 0.4564

Inverse Universe

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



14.9479, 0.2089, 0.2090



20.5770, 0.1897, 0.1770



7.6015, 0.1951, 0.1275



8.3005, 0.2986, 0.3157



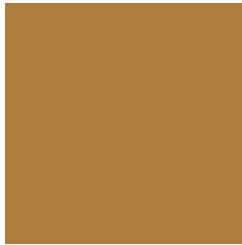
5.9376, 0.1716, 0.1376



0.2752, 0.1886, 0.1989

Previews

White Background



This preview shows how the Yxy color 23.8884, 0.4459, 0.4192 looks on a white background.

Color Contrast Check

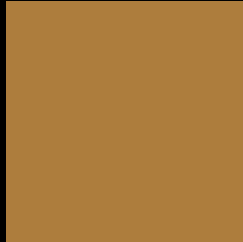
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8884, 0.4459, 0.4192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

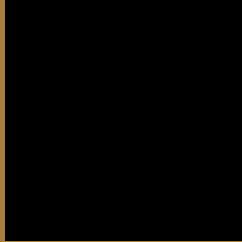
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8884, 0.4459, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 23.8884, 0.4459, 0.4192.



This preview shows how white text looks on a background with the Yxy color 23.8884, 0.4459, 0.4192.

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

23.8884, 0.4459, 0.4192

Protanopia

24.0877, 0.4040, 0.4427

Deuteranopia

23.8716, 0.4353, 0.4283



Tritanopia

23.9542, 0.3781, 0.3160

Trichromacy



Original Color

23.8884, 0.4459, 0.4192

Protanomaly

23.8606, 0.4198, 0.4333

Deuteranomaly

23.9400, 0.4399, 0.4252

Tritanomaly

23.8841, 0.4053, 0.3560

Monochromacy



Original Color

23.8884, 0.4459, 0.4192

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.9442, 0.3609, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8884, 0.4459, 0.4192 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(173, 125, 61)` looks like.

```
.text, #text, p{  
    color:rgb(173, 125, 61)  
}
```

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(173, 125, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 125, 61) }
```

Border

The CSS property to change the border of an element to Yxy 23.8884, 0.4459, 0.4192 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(173, 125, 61) }
```

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

```
.border{ border-color:rgb(173, 125, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 125, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 125, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 125, 61);  
box-shadow:4px 4px 4px 4px rgb(173, 125,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8884, 0.4459, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 125, 61) }
```

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

```
.background{ background-color: rgb(173,  
125, 61) }
```

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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