

Converting Colors

$Y_{xy}(24.7252, 0.4402, 0.3947)$

Have a look what the booklet for
Yxy(24.7252, 0.4402, 0.3947)
contains.

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Color

Yxy(24.7749, 0.4401, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	B57C4D
RGB	181, 124, 77
RGB Percent	71%, 49%, 30%
CMY	0.2902, 0.5137, 0.6982
CMYK	0.00, 0.31, 0.57, 0.29
HSL	27°, 41%, 51%
HSV	27°, 57%, 71%
XYZ	27.6036, 24.7749, 10.3427
YIQ	135.6850, 49.0590, -2.5330

Conversions

Conversions Part 2

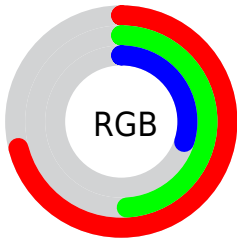
Format	Color
R_{YB}	181, 163, 77
Decimal	11893837
CIE _{Lab}	56.86, 17.08, 34.36
CIE _{LCh}	57, 38.371, 63.563
Yxy	24.7749, 0.4401, 0.3950
Android (android.graphics.Color)	4290083917 (0xFFB57C4D)
YUV	135.6850, -28.9317, 39.7413
Hunter-Lab	49.7744, 11.8864, 22.5221

Details

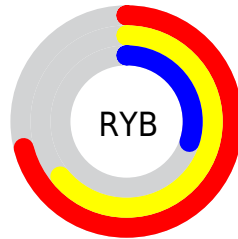
The Yxy color **24.7749, 0.4401, 0.3950** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.9562, 0.2244, 0.2473**, and the grayscale version is **24.5929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5019, 0.4138, 0.3841**, and **9.4859, 0.4839, 0.4095** is the 20% darker color. If you saturate the color by 10%, you get **22.1929, 0.4695, 0.4027**, and if you desaturate by 10%, it is **27.6805, 0.4120, 0.3847**.

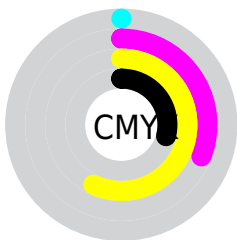
Distribution



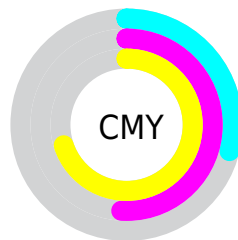
- Red (71%)
- Green (49%)
- Blue (30%)



- Red (71%)
- Yellow (64%)
- Blue (30%)



- Cyan (0%)
- Magenta (31%)
- Yellow (57%)
- Black (29%)




- Cyan (29%)
- Magenta (51%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7749, 0.4401, 0.3950 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 24.7749, 0.4401, 0.3950 by changing the saturation by 10% instead.


 24.7749, 0.4401,
0.3950


 24.7749, 0.4401,
0.3950


276.7151, 0.3705,
0.3626


 15.9094, 0.4588,
0.4018


 51.2918, 0.4136,
0.3839


 9.4601, 0.4831,
0.4092


 69.7120, 0.4040,
0.3795


 5.0425, 0.5153,
0.4158

 92.0860, 0.3960,
0.3756

 2.2722, 0.5722,
0.4278

 118.7980, 0.3893,
0.3723

 0.7589, 0.6075,
0.3925

 150.2325, 0.3835,
0.3694

 0.0000, 1.0000,
0.0000

186.7740, 0.3786,

 0.0000, 0.0000,

0.3669

0.0000

228.8067, 0.3742,
0.3646

■ 24.7749, 0.4401,
0.3950

■ 24.7749, 0.4401,
0.3950

■ 22.1929, 0.4695,
0.4027

■ 27.6805, 0.4120,
0.3847

■ 19.9175, 0.4987,
0.4067

■ 30.9184, 0.3861,
0.3731

■ 17.9351, 0.5257,
0.4058

■ 34.5016, 0.3629,
0.3609

■ 16.2270, 0.5488,
0.3997

■ 38.4409, 0.3424,
0.3489

■ 15.8334, 0.5545,
0.3979

■ 42.7469, 0.3245,
0.3372

■ 47.4293, 0.3090,
0.3263

■ 52.4979, 0.2956,
0.3162

■ 57.9616, 0.2840,
0.3068

■ 63.8294, 0.2739,
0.2982

Harmonies

Analogous

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



24.7749, 0.4389, 0.3452



24.7749, 0.4401, 0.3950



24.7749, 0.4048, 0.4358

Triad

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



24.7749, 0.4401, 0.3950



24.7749, 0.2302, 0.3577



24.7749, 0.2685, 0.2322

Complementary

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



24.7749, 0.4401, 0.3950



21.9562, 0.2244, 0.2473

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.



24.7749, 0.2214, 0.2277



24.7749, 0.4401, 0.3950



24.7749, 0.2009, 0.2918

Square

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



24.7749, 0.4401, 0.3950



24.7749, 0.2828, 0.4213



24.7749, 0.1983, 0.2468



24.7749, 0.3333, 0.2568

Rectangle

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



24.7749, 0.4401, 0.3950



24.7749, 0.3677, 0.4496



24.7749, 0.1983, 0.2468



24.7749, 0.2504, 0.2283

Sweetspot

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



24.7761, 0.4401, 0.3950



68.9833, 0.3420, 0.3486



16.8548, 0.3862, 0.2501



14.5986, 0.3458, 0.3510



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.



24.7761, 0.4401, 0.3950



38.6003, 0.4774, 0.4042



41.3342, 0.3973, 0.4576



9.1169, 0.3276, 0.3393



11.0493, 0.5524, 0.3996



0.4647, 0.5062, 0.4363

Inverse Universe

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



21.9562, 0.2244, 0.2473



33.0177, 0.2080, 0.2253



10.9738, 0.2047, 0.1557



8.9761, 0.2985, 0.3185



8.6145, 0.1823, 0.1763



0.3857, 0.1953, 0.2232

Previews

White Background



This preview shows how the Yxy color 24.7749, 0.4401, 0.3950 looks on a white background.

Color Contrast Check

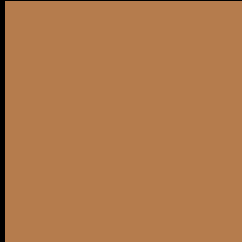
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7749, 0.4401, 0.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

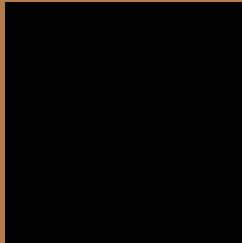
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7749, 0.4401, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 24.7749, 0.4401, 0.3950.



This preview shows how white text looks on a background with the Yxy color 24.7749, 0.4401, 0.3950.

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

24.7749, 0.4401, 0.3950

Protanopia

24.9845, 0.3865, 0.4191

Deuteranopia

24.7026, 0.4190, 0.4103



Tritanopia

24.8035, 0.3867, 0.3164

Trichromacy



Original Color

24.7749, 0.4401, 0.3950

Protanomaly

24.6588, 0.4058, 0.4102

Deuteranomaly

24.7308, 0.4268, 0.4054

Tritanomaly

24.7274, 0.4080, 0.3450

Monochromacy



Original Color

24.7749, 0.4401, 0.3950

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.4157, 0.3554, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7749, 0.4401, 0.3950 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, 124, 77)` looks like.

```
.text, #text, p{  
    color:rgb(181, 124, 77)  
}
```

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, 124, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 124, 77) }
```

Border

The CSS property to change the border of an element to Yxy 24.7749, 0.4401, 0.3950 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, 124, 77) }
```

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

```
.border{ border-color:rgb(181, 124, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 124, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 124, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 124, 77);  
box-shadow:4px 4px 4px 4px rgb(181, 124,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7749, 0.4401, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 124, 77) }
```

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

```
.background{ background-color: rgb(181,  
124, 77) }
```

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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