

Converting Colors

$Y_{xy}(24.9116, 0.4420, 0.4043)$

Have a look what the booklet for
Yxy(24.9116, 0.4420, 0.4043)
contains.

Yxy(24.9733, 0.4411, 0.4047)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9733, 0.4411, 0.4047)

Conversions

Conversions Part 1

Format	Color
Hex	B37E48
RGB	179, 126, 72
RGB Percent	70%, 49%, 28%
CMY	0.2981, 0.5058, 0.7177
CMYK	0.00, 0.30, 0.60, 0.30
HSL	30°, 43%, 49%
HSV	30°, 60%, 70%
XYZ	27.2195, 24.9733, 9.5154
YIQ	135.6910, 48.9220, -5.5580

Conversions

Conversions Part 2

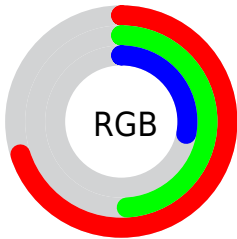
Format	Color
R_{YB}	177, 179, 72
Decimal	11763272
CIE _{Lab}	57.05, 14.70, 37.19
CIE _{LCh}	57, 39.995, 68.429
Yxy	24.9733, 0.4411, 0.4047
Android (android.graphics.Color)	4289953352 (0xFFB37E48)
YUV	135.6910, -31.3997, 37.9820
Hunter-Lab	49.9733, 9.7722, 23.6919

Details

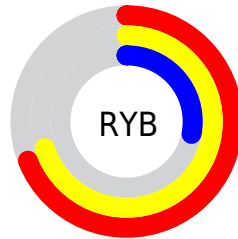
The Yxy color **24.9733, 0.4411, 0.4047** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.2935, 0.2190, 0.2329**, and the grayscale version is **24.6053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6499, 0.4142, 0.3921**, and **9.5889, 0.4828, 0.4210** is the 20% darker color. If you saturate the color by 10%, you get **22.6065, 0.4682, 0.4129**, and if you desaturate by 10%, it is **27.6114, 0.4146, 0.3937**.

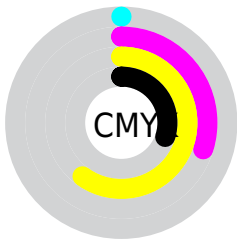
Distribution



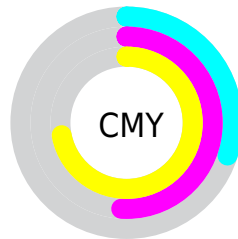
- Red (70%)
- Green (49%)
- Blue (28%)



- Red (69%)
- Yellow (70%)
- Blue (28%)



- Cyan (0%)
- Magenta (30%)
- Yellow (60%)
- Black (30%)





- Cyan (30%)
- Magenta (51%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9733, 0.4411, 0.4047 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 24.9733, 0.4411, 0.4047 by changing the saturation by 10% instead.


 24.9733, 0.4411,
0.4047


 24.9733, 0.4411,
0.4047


277.7050, 0.3715,
0.3673


 16.0572, 0.4594,
0.4127


 51.6139, 0.4149,
0.3918


 9.5646, 0.4828,
0.4213


 70.1072, 0.4052,
0.3867


 5.1113, 0.5141,
0.4303

 92.5616, 0.3972,
0.3823

 2.3127, 0.5607,
0.4393

 119.3616, 0.3904,
0.3784

 0.7804, 0.5911,
0.4089

 150.8915, 0.3847,
0.3751

 0.0000, 1.0000,
0.0000

187.5358, 0.3797,

 0.0000, 0.0000,

0.3722

0.0000

229.6788, 0.3753,
0.3696

■ 24.9733, 0.4411,
0.4047

■ 24.9733, 0.4411,
0.4047

■ 22.6065, 0.4682,
0.4129

■ 27.6114, 0.4146,
0.3937

■ 20.4961, 0.4944,
0.4169

■ 30.5276, 0.3896,
0.3810

■ 18.6306, 0.5180,
0.4159

■ 33.7326, 0.3668,
0.3676

■ 16.9900, 0.5385,
0.4104

■ 37.2355, 0.3464,
0.3541

■ 16.9557, 0.5390,
0.4103

■ 41.0450, 0.3283,
0.3411

■ 45.1692, 0.3124,
0.3287

■ 49.6160, 0.2985,
0.3172

■ 54.3930, 0.2864,
0.3065

■ 59.5073, 0.2759,
0.2967

Harmonies

Analogous

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



24.9733, 0.4470, 0.3538



24.9733, 0.4411, 0.4047



24.9733, 0.3993, 0.4445

Triad

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



24.9733, 0.4411, 0.4047



24.9733, 0.2203, 0.3468



24.9733, 0.2767, 0.2318

Complementary

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



24.9733, 0.4411, 0.4047



19.2935, 0.2190, 0.2329

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.



24.9733, 0.2245, 0.2234



24.9733, 0.4411, 0.4047



24.9733, 0.1948, 0.2806

Square

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



24.9733, 0.4411, 0.4047



24.9733, 0.2714, 0.4163



24.9733, 0.1965, 0.2387



24.9733, 0.3455, 0.2601

Rectangle

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



24.9733, 0.4411, 0.4047



24.9733, 0.3590, 0.4554



24.9733, 0.1965, 0.2387



24.9733, 0.2569, 0.2266

Sweetspot

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



24.9745, 0.4411, 0.4047



67.6652, 0.3435, 0.3522



15.7101, 0.3997, 0.2548



14.5725, 0.3491, 0.3560



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.



24.9745, 0.4411, 0.4047



39.1409, 0.4774, 0.4148



42.2876, 0.3961, 0.4669



9.1906, 0.3275, 0.3405



12.1133, 0.5372, 0.4117



0.4977, 0.4961, 0.4443

Inverse Universe

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



19.2935, 0.2190, 0.2329



28.0400, 0.2012, 0.2066



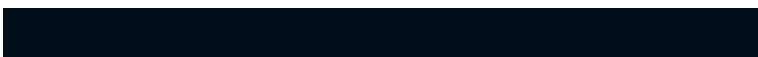
9.2659, 0.1985, 0.1401



8.9020, 0.2985, 0.3172



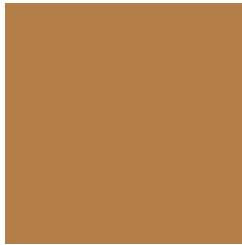
7.4362, 0.1774, 0.1586



0.3508, 0.1917, 0.2100

Previews

White Background



This preview shows how the Yxy color 24.9733, 0.4411, 0.4047 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 24.9733, 0.4411, 0.4047 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 24.9733, 0.4411, 0.4047

Background



This preview shows how black text looks on a background with the Yxy color 24.9733, 0.4411, 0.4047.



This preview shows how white text looks on a background with the Yxy color 24.9733, 0.4411, 0.4047.

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

24.9733, 0.4411, 0.4047

Protanopia

24.9924, 0.3937, 0.4276

Deuteranopia

25.1225, 0.4255, 0.4173



Tritanopia

24.8194, 0.3826, 0.3163

Trichromacy



Original Color

24.9733, 0.4411, 0.4047

Protanomaly

24.8601, 0.4101, 0.4186

Deuteranomaly

25.0397, 0.4322, 0.4127

Tritanomaly

24.9469, 0.4057, 0.3495

Monochromacy



Original Color

24.9733, 0.4411, 0.4047

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3702, 0.3577, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9733, 0.4411, 0.4047 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(179, 126, 72)` looks like.

```
.text, #text, p{  
    color:rgb(179, 126, 72)  
}
```

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(179, 126, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 126, 72) }
```

Border

The CSS property to change the border of an element to Yxy 24.9733, 0.4411, 0.4047 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(179, 126, 72) }
```

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

```
.border{ border-color:rgb(179, 126, 72) }
```

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

Here you see how a box with a 4 pixel rgb(179, 126, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 126, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 126, 72);  
box-shadow:4px 4px 4px 4px rgb(179, 126,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9733, 0.4411, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 126, 72) }
```

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

```
.background{ background-color: rgb(179,  
126, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor