

Converting Colors

$Y_{xy}(23.9404, 0.4354, 0.4127)$

Have a look what the booklet for
Yxy(23.9404, 0.4354, 0.4127)
contains.

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Color

Yxy(23.9970, 0.4357, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	AB7E44
RGB	171, 126, 68
RGB Percent	67%, 49%, 27%
CMY	0.3294, 0.5059, 0.7333
CMYK	0.00, 0.26, 0.60, 0.33
HSL	34°, 43%, 47%
HSV	34°, 60%, 67%
XYZ	25.2976, 23.9970, 8.7674
YIQ	132.8430, 45.4380, -8.4980

Conversions

Conversions Part 2

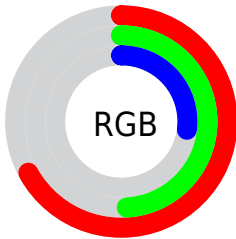
Format	Color
RYB	148, 171, 68
Decimal	11238980
CIELab	56.08, 10.92, 37.92
CIElCh	56, 39.460, 73.942
Yxy	23.9970, 0.4357, 0.4133
Android (android.graphics.Color)	4289429060 (0xFFAB7E44)
YUV	132.8430, -31.9676, 33.4637
Hunter-Lab	48.9867, 6.4537, 23.6793

Details

The Yxy color **23.9970, 0.4357, 0.4133** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.9759, 0.2160, 0.2207**, and the grayscale version is **23.5020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2062, 0.4103, 0.3984**, and **9.0031, 0.4751, 0.4342** is the 20% darker color. If you saturate the color by 10%, you get **21.9795, 0.4601, 0.4226**, and if you desaturate by 10%, it is **26.2204, 0.4113, 0.4011**.

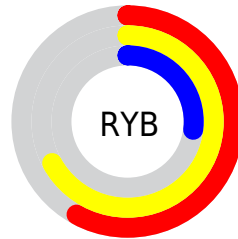
Distribution



Red (67%)

Green (49%)

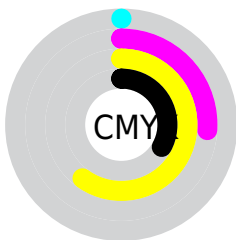
Blue (27%)



Red (58%)

Yellow (67%)

Blue (27%)

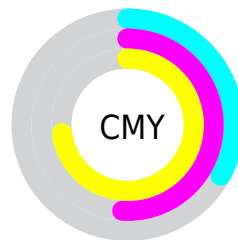


Cyan (0%)

Magenta (26%)

Yellow (60%)

Black (33%)



Cyan (33%)


Magenta (51%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9970, 0.4357, 0.4133 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 23.9970, 0.4357, 0.4133 by changing the saturation by 10% instead.


 23.9970, 0.4357,
0.4133


 23.9970, 0.4357,
0.4133


272.8053, 0.3690,
0.3705


 15.3314, 0.4531,
0.4229


 50.0253, 0.4106,
0.3982

 9.0523, 0.4753,
0.4337


 68.1568, 0.4014,
0.3923

 4.7753, 0.5066,
0.4473

 90.2124, 0.3937,
0.3873

 2.1160, 0.5442,
0.4558

 116.5764, 0.3872,
0.3830

 0.6736, 0.5742,
0.4258

 147.6333, 0.3816,
0.3793

 0.0000, 0.0000,
0.0000

183.7675, 0.3768,

0.3760

225.3634, 0.3726,
0.3731

■ 23.9970, 0.4357,
0.4133

■ 23.9970, 0.4357,
0.4133

■ 21.9795, 0.4601,
0.4226

■ 26.2204, 0.4113,
0.4011

■ 20.1558, 0.4833,
0.4278

■ 28.6539, 0.3880,
0.3872

■ 18.5174, 0.5039,
0.4280

■ 31.3060, 0.3663,
0.3724

■ 17.0788, 0.5215,
0.4241

■ 34.1834, 0.3466,
0.3575

■ 37.2925, 0.3288,
0.3431

■ 40.6395, 0.3131,
0.3293

■ 44.2302, 0.2991,
0.3164

■ 48.0701, 0.2869,
0.3045

■ 52.1647, 0.2761,
0.2935

Harmonies

Analogous

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



23.9970, 0.4491, 0.3634



23.9970, 0.4357, 0.4133



23.9970, 0.3889, 0.4491

Triad

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



23.9970, 0.4357, 0.4133



23.9970, 0.2136, 0.3335



23.9970, 0.2885, 0.2356

Complementary

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



23.9970, 0.4357, 0.4133



15.9759, 0.2160, 0.2207

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.



23.9970, 0.2323, 0.2233



23.9970, 0.4357, 0.4133



23.9970, 0.1931, 0.2709

Square

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



23.9970, 0.4357, 0.4133



23.9970, 0.2605, 0.4049



23.9970, 0.1997, 0.2340



23.9970, 0.3586, 0.2671

Rectangle

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



23.9970, 0.4357, 0.4133



23.9970, 0.3469, 0.4551



23.9970, 0.1997, 0.2340



23.9970, 0.2676, 0.2292

Sweetspot

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



23.9982, 0.4357, 0.4133



62.2599, 0.3430, 0.3547



14.0143, 0.4096, 0.2619



13.5433, 0.3483, 0.3589



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.



23.9982, 0.4357, 0.4133



38.3384, 0.4673, 0.4247



37.6301, 0.3912, 0.4703



8.7355, 0.3273, 0.3418



12.9825, 0.5203, 0.4251



0.4675, 0.4822, 0.4553

Inverse Universe

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



15.9759, 0.2160, 0.2207



22.7652, 0.1977, 0.1924



8.4968, 0.2023, 0.1412



8.3112, 0.2986, 0.3159



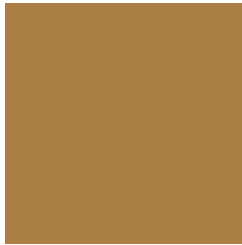
6.0795, 0.1723, 0.1402



0.2793, 0.1891, 0.2009

Previews

White Background



This preview shows how the Yxy color 23.9970, 0.4357, 0.4133 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 23.9970, 0.4357, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

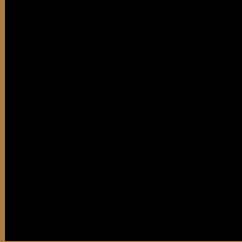
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9970, 0.4357, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 23.9970, 0.4357, 0.4133.



This preview shows how white text looks on a background with the Yxy color 23.9970, 0.4357, 0.4133.

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

23.9970, 0.4357, 0.4133

Protanopia

24.1724, 0.3976, 0.4330

Deuteranopia

23.9506, 0.4287, 0.4198



Tritanopia

23.9823, 0.3740, 0.3158

Trichromacy



Original Color

23.9970, 0.4357, 0.4133

Protanomaly

24.1128, 0.4110, 0.4260

Deuteranomaly

23.9088, 0.4321, 0.4174

Tritanomaly

23.9583, 0.3984, 0.3533

Monochromacy



Original Color

23.9970, 0.4357, 0.4133

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.2724, 0.3569, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9970, 0.4357, 0.4133 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(171, 126, 68)` looks like.

```
.text, #text, p{  
    color:rgb(171, 126, 68)  
}
```

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(171, 126, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 126, 68) }
```

Border

The CSS property to change the border of an element to Yxy 23.9970, 0.4357, 0.4133 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(171, 126, 68) }
```

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

```
.border{ border-color:rgb(171, 126, 68) }
```

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

Here you see how a box with a 4 pixel rgb(171, 126, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 126, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 126, 68);  
box-shadow:4px 4px 4px 4px rgb(171, 126,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9970, 0.4357, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 126, 68) }
```

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

```
.background{ background-color: rgb(171,  
126, 68) }
```

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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