

Converting Colors

$Y_{xy}(23.3836, 0.4365, 0.4111)$

Have a look what the booklet for
Yxy(23.3836, 0.4365, 0.4111)
contains.

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Color

Yxy(23.3787, 0.4365, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	AA7C44
RGB	170, 124, 68
RGB Percent	67%, 49%, 27%
CMY	0.3333, 0.5137, 0.7333
CMYK	0.00, 0.27, 0.60, 0.33
HSL	33°, 43%, 47%
HSV	33°, 60%, 67%
XYZ	24.8292, 23.3787, 8.6746
YIQ	131.3700, 45.3920, -7.6640

Conversions

Conversions Part 2

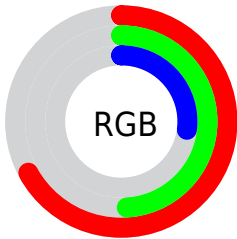
Format	Color
R_{YB}	152, 170, 68
Decimal	11172932
CIE _{Lab}	55.46, 11.61, 37.15
CIE _{LCh}	55, 38.921, 72.645
Yxy	23.3787, 0.4365, 0.4110
Android (android.graphics.Color)	4289363012 (0xFFAA7C44)
YUV	131.3700, -31.2414, 33.8785
Hunter-Lab	48.3515, 7.0471, 23.2091

Details

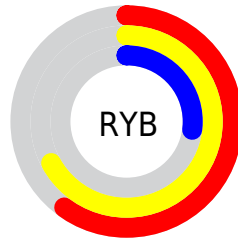
The Yxy color **23.3787, 0.4365, 0.4110** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.1690, 0.2170, 0.2241**, and the grayscale version is **22.9392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8527, 0.4111, 0.3955**, and **8.7311, 0.4781, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **21.3537, 0.4615, 0.4201**, and if you desaturate by 10%, it is **25.6156, 0.4117, 0.3991**.

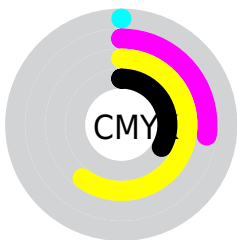
Distribution



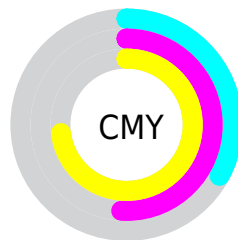
- Red (67%)
- Green (49%)
- Blue (27%)



- Red (60%)
- Yellow (67%)
- Blue (27%)



- Cyan (0%)
- Magenta (27%)
- Yellow (60%)
- Black (33%)



- Cyan (33%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3787, 0.4365, 0.4110 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 23.3787, 0.4365, 0.4110 by changing the saturation by 10% instead.


 23.3787, 0.4365,
0.4110


 23.3787, 0.4365,
0.4110


269.6642, 0.3689,
0.3694


 14.8734, 0.4543,
0.4203


 49.0144, 0.4109,
0.3963


 8.7306, 0.4771,
0.4307


 66.9136, 0.4016,
0.3906


 4.5659, 0.5099,
0.4442

 88.7129, 0.3938,
0.3857

 1.9949, 0.5488,
0.4512

 114.7966, 0.3873,
0.3815

 0.6045, 0.5867,
0.4133

 145.5492, 0.3817,
0.3779

 0.0000, 0.0000,
0.0000

181.3551, 0.3768,

0.3747

222.5986, 0.3726,
0.3719

■ 23.3787, 0.4365,
0.4110

■ 23.3787, 0.4365,
0.4110

■ 21.3537, 0.4615,
0.4201

■ 25.6156, 0.4117,
0.3991

■ 19.5285, 0.4855,
0.4251

■ 28.0690, 0.3880,
0.3854

■ 17.8943, 0.5069,
0.4252

■ 30.7475, 0.3661,
0.3710

■ 16.4337, 0.5256,
0.4209

■ 33.6580, 0.3462,
0.3565

■ 16.4327, 0.5256,
0.4209

■ 36.8072, 0.3284,
0.3424

■ 40.2012, 0.3127,
0.3290

■ 43.8461, 0.2988,
0.3165

■ 47.7477, 0.2867,
0.3048

■ 51.9115, 0.2760,
0.2941

Harmonies

Analogous

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



23.3787, 0.4480, 0.3611



23.3787, 0.4365, 0.4110



23.3787, 0.3911, 0.4476

Triad

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



23.3787, 0.4365, 0.4110



23.3787, 0.2156, 0.3366



23.3787, 0.2859, 0.2351

Complementary

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



23.3787, 0.4365, 0.4110



16.1690, 0.2170, 0.2241

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.



23.3787, 0.2308, 0.2237



23.3787, 0.4365, 0.4110



23.3787, 0.1939, 0.2734

Square

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



23.3787, 0.4365, 0.4110



23.3787, 0.2632, 0.4072



23.3787, 0.1994, 0.2354



23.3787, 0.3553, 0.2657

Rectangle

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



23.3787, 0.4365, 0.4110



23.3787, 0.3496, 0.4546



23.3787, 0.1994, 0.2354



23.3787, 0.2652, 0.2290

Sweetspot

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



23.3798, 0.4365, 0.4110



61.9894, 0.3431, 0.3541



13.9339, 0.4058, 0.2597



13.4749, 0.3484, 0.3582



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.



23.3798, 0.4365, 0.4110



37.6066, 0.4696, 0.4223



37.3398, 0.3927, 0.4689



8.1993, 0.3273, 0.3414



12.2004, 0.5241, 0.4220



0.3969, 0.4812, 0.4561

Inverse Universe

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



16.1690, 0.2170, 0.2241



23.3882, 0.1986, 0.1959



8.3934, 0.2013, 0.1414



7.8369, 0.2987, 0.3163



6.1143, 0.1736, 0.1449



0.2517, 0.1917, 0.2100

Previews

White Background



This preview shows how the Yxy color 23.3787, 0.4365, 0.4110 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 23.3787, 0.4365, 0.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

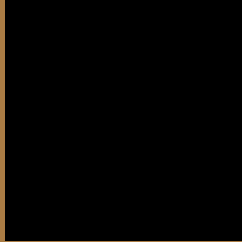
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3787, 0.4365, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 23.3787, 0.4365, 0.4110.



This preview shows how white text looks on a background with the Yxy color 23.3787, 0.4365, 0.4110.

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

23.3787, 0.4365, 0.4110

Protanopia

23.4330, 0.3967, 0.4312

Deuteranopia

23.4765, 0.4272, 0.4194



Tritanopia

23.2276, 0.3749, 0.3157

Trichromacy



Original Color

23.3787, 0.4365, 0.4110

Protanomaly

23.3760, 0.4103, 0.4243

Deuteranomaly

23.4339, 0.4307, 0.4170

Tritanomaly

23.3371, 0.3996, 0.3519

Monochromacy



Original Color

23.3787, 0.4365, 0.4110

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5408, 0.3564, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3787, 0.4365, 0.4110 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(170, 124, 68)` looks like.

```
.text, #text, p{  
    color:rgb(170, 124, 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(170, 124, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 124, 68) }
```

Border

The CSS property to change the border of an element to Yxy 23.3787, 0.4365, 0.4110 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(170, 124, 68) }
```

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

```
.border{ border-color:rgb(170, 124, 68) }
```

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

Here you see how a box with a 4 pixel rgb(170, 124, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 124, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 124, 68);  
box-shadow:4px 4px 4px 4px rgb(170, 124,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3787, 0.4365, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 124, 68) }
```

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

```
.background{ background-color: rgb(170,  
124, 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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