

Converting Colors

$Y_{xy}(23.0550, 0.4586, 0.3880)$

Have a look what the booklet for
Yxy(23.0550, 0.4586, 0.3880)
contains.

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Color

Yxy(23.0436, 0.4590, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	B97348
RGB	185, 115, 72
RGB Percent	73%, 45%, 28%
CMY	0.2745, 0.5490, 0.7175
CMYK	0.00, 0.38, 0.61, 0.27
HSL	23°, 45%, 50%
HSV	23°, 61%, 73%
XYZ	27.3096, 23.0436, 9.1449
YIQ	131.0280, 55.5230, 1.4670

Conversions

Conversions Part 2

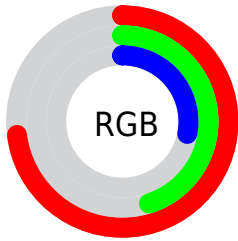
Format	Color
R_{YB}	185, 141, 72
Decimal	12153672
CIE _{Lab}	55.12, 23.40, 35.03
CIE _{LCh}	55, 42.124, 56.262
Yxy	23.0436, 0.4590, 0.3873
Android (android.graphics.Color)	4290343752 (0xFFB97348)
YUV	131.0280, -29.1008, 47.3334
Hunter-Lab	48.0037, 17.5431, 22.3077

Details

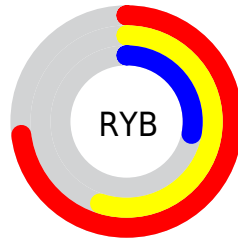
The Yxy color **23.0436, 0.4590, 0.3873** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.2388, 0.2226, 0.2556**, and the grayscale version is **22.8002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2757, 0.4277, 0.3778**, and **8.5602, 0.5099, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **20.3844, 0.4919, 0.3922**, and if you desaturate by 10%, it is **26.1030, 0.4274, 0.3795**.

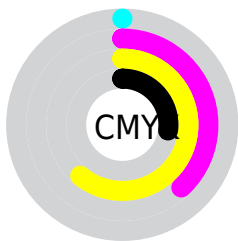
Distribution



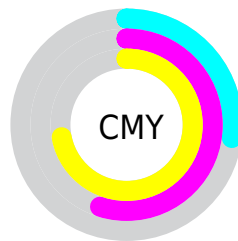
- Red (73%)
- Green (45%)
- Blue (28%)



- Red (73%)
- Yellow (55%)
- Blue (28%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (27%)




- Cyan (27%)
- Magenta (55%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0436, 0.4590, 0.3873 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 23.0436, 0.4590, 0.3873 by changing the saturation by 10% instead.


 23.0436, 0.4590,
0.3873


 23.0436, 0.4590,
0.3873

267.9489, 0.3781,
0.3602


 14.6257, 0.4810,
0.3920


 48.4649, 0.4280,
0.3786


 8.5571, 0.5096,
0.3961


 66.2371, 0.4168,
0.3749


 4.4535, 0.5496,
0.3986

 87.8962, 0.4076,
0.3716

 1.9303, 0.6062,
0.3938

 113.8266, 0.3998,
0.3688

 0.5665, 0.6678,
0.3322

 144.4126, 0.3931,
0.3662

 0.0000, 1.0000,
0.0000

180.0388, 0.3874,

 0.0000, 0.0000,

0.3640

0.0000

221.0894, 0.3825,
0.3620

■ 23.0436, 0.4590,
0.3873

■ 23.0436, 0.4590,
0.3873

■ 20.3844, 0.4919,
0.3922

■ 26.1030, 0.4274,
0.3795

■ 18.1033, 0.5242,
0.3930

■ 29.5762, 0.3984,
0.3700

■ 16.1807, 0.5531,
0.3888

■ 33.4804, 0.3727,
0.3598

■ 14.7409, 0.5751,
0.3815

■ 37.8308, 0.3503,
0.3494

■ 42.6417, 0.3309,
0.3394

■ 47.9266, 0.3143,
0.3300

■ 53.6986, 0.3002,
0.3212

■ 59.9703, 0.2880,
0.3131

■ 66.7536, 0.2777,
0.3057

Harmonies

Analogous

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



23.0436, 0.4474, 0.3321



23.0436, 0.4590, 0.3873



23.0436, 0.4272, 0.4376

Triad

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



23.0436, 0.4590, 0.3873



23.0436, 0.2324, 0.3805



23.0436, 0.2482, 0.2187

Complementary

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



23.0436, 0.4590, 0.3873



24.2388, 0.2226, 0.2556

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.



23.0436, 0.2028, 0.2192



23.0436, 0.4590, 0.3873



23.0436, 0.1938, 0.3025

Square

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



23.0436, 0.4590, 0.3873



23.0436, 0.2952, 0.4470



23.0436, 0.1844, 0.2461



23.0436, 0.3166, 0.2408

Rectangle

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



23.0436, 0.4590, 0.3873



23.0436, 0.3889, 0.4603



23.0436, 0.1844, 0.2461



23.0436, 0.2302, 0.2162

Sweetspot

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



23.0448, 0.4590, 0.3873



70.0541, 0.3446, 0.3466



16.9547, 0.3778, 0.2344



14.5838, 0.3505, 0.3496



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



23.0448, 0.4590, 0.3873



35.1569, 0.5022, 0.3930



39.5105, 0.4088, 0.4544



9.5571, 0.3278, 0.3377



10.1678, 0.5729, 0.3833



0.4794, 0.5245, 0.4218

Inverse Universe

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



24.2388, 0.2226, 0.2556



37.3313, 0.2079, 0.2365



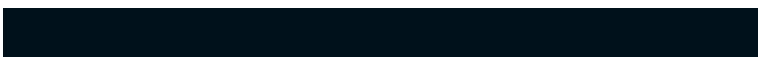
11.7139, 0.2008, 0.1584



9.6212, 0.2985, 0.3201



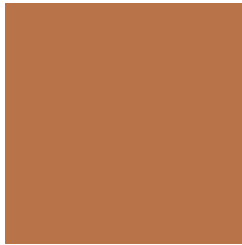
10.8217, 0.1892, 0.2011



0.4969, 0.1994, 0.2378

Previews

White Background



This preview shows how the Yxy color 23.0436, 0.4590, 0.3873 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 23.0436, 0.4590, 0.3873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

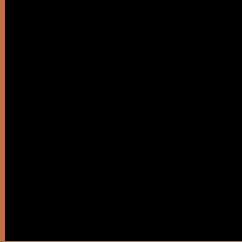
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0436, 0.4590, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 23.0436, 0.4590, 0.3873.



This preview shows how white text looks on a background with the Yxy color 23.0436, 0.4590, 0.3873.

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

23.0436, 0.4590, 0.3873

Protanopia

23.0723, 0.3879, 0.4202

Deuteranopia

23.0453, 0.4227, 0.4151



Tritanopia

22.9367, 0.4070, 0.3167

Trichromacy



Original Color

23.0436, 0.4590, 0.3873

Protanomaly

22.9171, 0.4138, 0.4077

Deuteranomaly

22.9200, 0.4353, 0.4044

Tritanomaly

22.8733, 0.4282, 0.3433

Monochromacy



Original Color

23.0436, 0.4590, 0.3873

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.3723, 0.3628, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0436, 0.4590, 0.3873 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(185, 115, 72)` looks like.

```
.text, #text, p{  
    color:rgb(185, 115, 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(185, 115, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 115, 72) }
```

Border

The CSS property to change the border of an element to Yxy 23.0436, 0.4590, 0.3873 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(185, 115, 72) }
```

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

```
.border{ border-color:rgb(185, 115, 72) }
```

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

Here you see how a box with a 4 pixel rgb(185, 115, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 115, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 115, 72);  
box-shadow:4px 4px 4px 4px rgb(185, 115,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0436, 0.4590, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 115, 72) }
```

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

```
.background{ background-color: rgb(185,  
115, 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](#).

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