

Converting Colors

$Y_{xy}(16.3684, 0.4703, 0.3930)$

Have a look what the booklet for
Yxy(16.3684, 0.4703, 0.3930)
contains.

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Color

Yxy(16.4023, 0.4703, 0.3923)

Conversions

Conversions Part 1

Format	Color
Hex	A16137
RGB	161, 97, 55
RGB Percent	63%, 38%, 22%
CMY	0.3686, 0.6196, 0.7843
CMYK	0.00, 0.40, 0.66, 0.37
HSL	24°, 49%, 42%
HSV	24°, 66%, 63%
XYZ	19.6635, 16.4023, 5.7448
YIQ	111.3480, 51.6260, 0.5060

Conversions

Conversions Part 2

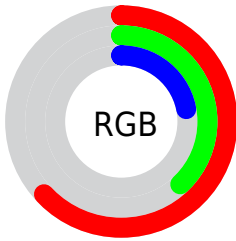
Format	Color
R_{YB}	161, 125, 55
Decimal	10576183
CIE _{Lab}	47.50, 22.02, 34.47
CIE _{LCh}	47, 40.900, 57.426
Yxy	16.4023, 0.4703, 0.3923
Android (android.graphics.Color)	4288766263 (0xFFA16137)
YUV	111.3480, -27.7796, 43.5448
Hunter-Lab	40.4998, 15.7911, 19.9397

Details

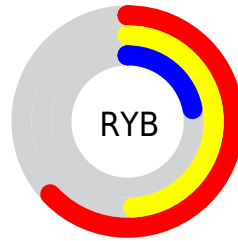
The Yxy color **16.4023, 0.4703, 0.3923** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.5831, 0.2169, 0.2462**, and the grayscale version is **16.0746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2192, 0.4344, 0.3827**, and **5.3042, 0.5302, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **14.5852, 0.5021, 0.3960**, and if you desaturate by 10%, it is **18.4918, 0.4389, 0.3853**.

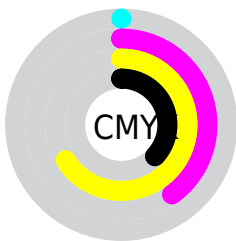
Distribution



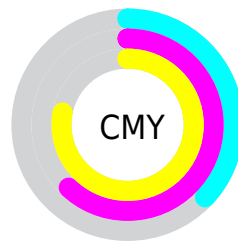
- Red (63%)
- Green (38%)
- Blue (22%)



- Red (63%)
- Yellow (49%)
- Blue (22%)



- Cyan (0%)
- Magenta (40%)
- Yellow (66%)
- Black (37%)





- Cyan (37%)
- Magenta (62%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4023, 0.4703, 0.3923 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 16.4023, 0.4703, 0.3923 by changing the saturation by 10% instead.

 16.4023, 0.4703,
0.3923


 16.4023, 0.4703,
0.3923


231.7040, 0.3792,
0.3617

 9.8093, 0.4964,
0.3973


 37.2952, 0.4344,
0.3824

 5.2727, 0.5309,
0.4003

 52.3639, 0.4217,
0.3782


 2.4081, 0.5927,
0.4073

 71.0266, 0.4113,
0.3745

 0.8301, 0.6320,
0.3680

 93.6677, 0.4027,
0.3713

 0.0000, 1.0000,
0.0000

 120.6716, 0.3954,
0.3684

 0.0000, 0.0000,
0.0000

 152.4227, 0.3892,

0.3659

189.3054, 0.3839,
0.3637

■ 16.4023, 0.4703,
0.3923

■ 16.4023, 0.4703,
0.3923

■ 14.5852, 0.5021,
0.3960

■ 18.4918, 0.4389,
0.3853

■ 13.0247, 0.5323,
0.3952

■ 20.8629, 0.4096,
0.3761

■ 11.7066, 0.5585,
0.3894

■ 23.5278, 0.3831,
0.3657

■ 11.2203, 0.5690,
0.3864

■ 26.4968, 0.3597,
0.3551

■ 29.7798, 0.3394,
0.3446

■ 33.3862, 0.3218,
0.3346

■ 37.3249, 0.3067,
0.3252

■ 41.6046, 0.2938,
0.3165

■ 46.2335, 0.2826,
0.3085

Harmonies

Analogous

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



16.4023, 0.4605, 0.3334



16.4023, 0.4703, 0.3923



16.4023, 0.4333, 0.4469

Triad

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



16.4023, 0.4703, 0.3923



16.4023, 0.2233, 0.3817



16.4023, 0.2453, 0.2114

Complementary

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



16.4023, 0.4703, 0.3923



16.5831, 0.2169, 0.2462

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.



16.4023, 0.1961, 0.2105



16.4023, 0.4703, 0.3923



16.4023, 0.1839, 0.2964

Square

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



16.4023, 0.4703, 0.3923



16.4023, 0.2898, 0.4567



16.4023, 0.1754, 0.2373



16.4023, 0.3197, 0.2357

Rectangle

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



16.4023, 0.4703, 0.3923



16.4023, 0.3910, 0.4720



16.4023, 0.1754, 0.2373



16.4023, 0.2257, 0.2083

Sweetspot

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



16.4031, 0.4703, 0.3923



50.5879, 0.3482, 0.3493



11.6761, 0.3875, 0.2323



10.7585, 0.3537, 0.3521



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.4031, 0.4703, 0.3923



24.7636, 0.5165, 0.3962



29.2351, 0.4127, 0.4626



7.5249, 0.3275, 0.3380



9.0357, 0.5675, 0.3876



0.2807, 0.5044, 0.4377

Inverse Universe

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



16.5831, 0.2169, 0.2462



24.9854, 0.2016, 0.2241



7.4448, 0.1926, 0.1429



7.5380, 0.2987, 0.3199



8.9967, 0.1879, 0.1964



0.2775, 0.2028, 0.2499

Previews

White Background



This preview shows how the Yxy color 16.4023, 0.4703, 0.3923 looks on a white background.

Color Contrast Check

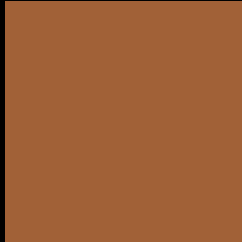
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.4023, 0.4703, 0.3923 looks on a black 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

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

Yxy 16.4023, 0.4703, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 16.4023, 0.4703, 0.3923.



This preview shows how white text looks on a background with the Yxy color 16.4023, 0.4703, 0.3923.

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

16.4023, 0.4703, 0.3923

Protanopia

16.4965, 0.3959, 0.4303

Deuteranopia

16.5485, 0.4318, 0.4254



Tritanopia

16.4477, 0.4138, 0.3182

Trichromacy



Original Color

16.4023, 0.4703, 0.3923

Protanomaly

16.2242, 0.4232, 0.4161

Deuteranomaly

16.4536, 0.4467, 0.4127

Tritanomaly

16.4165, 0.4365, 0.3467

Monochromacy



Original Color

16.4023, 0.4703, 0.3923

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.7305, 0.3665, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4023, 0.4703, 0.3923 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(161, 97, 55)` looks like.

```
.text, #text, p{  
  color:rgb(161, 97, 55)  
}
```

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(161, 97, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 97, 55) }
```

Border

The CSS property to change the border of an element to Yxy 16.4023, 0.4703, 0.3923 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(161, 97, 55) }
```

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

```
.border{ border-color:rgb(161, 97, 55) }
```

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

Here you see how a box with a 4 pixel rgb(161, 97, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 97, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 97, 55);  
box-shadow:4px 4px 4px 4px rgb(161, 97,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4023, 0.4703, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 97, 55) }
```

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

```
.background{ background-color: rgb(161, 97,  
55) }
```

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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