

Converting Colors

$Y_{xy}(23.2512, 0.4156, 0.3844)$

Have a look what the booklet for
Yxy(23.2512, 0.4156, 0.3844)
contains.

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Color

Yxy(23.2891, 0.4150, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	A97B57
RGB	169, 123, 87
RGB Percent	66%, 48%, 34%
CMY	0.3373, 0.5176, 0.6589
CMYK	0.00, 0.27, 0.49, 0.34
HSL	26°, 32%, 50%
HSV	26°, 49%, 66%
XYZ	25.1627, 23.2891, 12.1812
YIQ	132.6500, 38.9720, -1.4440

Conversions

Conversions Part 2

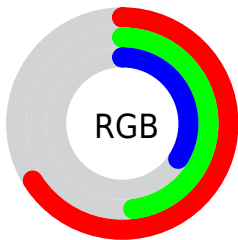
Format	Color
R_{YB}	169, 151, 87
Decimal	11107159
CIE _{Lab}	55.37, 13.43, 26.68
CIE _{LCh}	55, 29.869, 63.284
Yxy	23.2891, 0.4150, 0.3841
Android (android.graphics.Color)	4289297239 (0xFFA97B57)
YUV	132.6500, -22.5055, 31.8789
Hunter-Lab	48.2588, 8.6190, 18.8156

Details

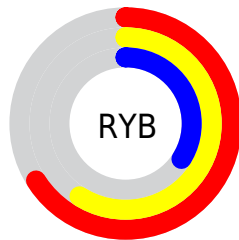
The Yxy color **23.2891, 0.4150, 0.3841** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.6517, 0.2380, 0.2647**, and the grayscale version is **23.3942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0256, 0.3929, 0.3747**, and **8.6351, 0.4517, 0.3984** is the 20% darker color. If you saturate the color by 10%, you get **20.8075, 0.4436, 0.3939**, and if you desaturate by 10%, it is **26.0651, 0.3887, 0.3729**.

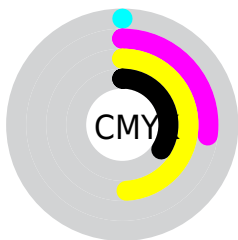
Distribution



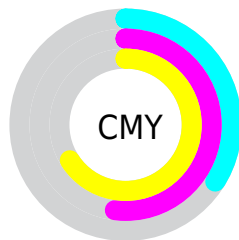
- Red (66%)
- Green (48%)
- Blue (34%)



- Red (66%)
- Yellow (59%)
- Blue (34%)



- Cyan (0%)
- Magenta (27%)
- Yellow (49%)
- Black (34%)




- Cyan (34%)
- Magenta (52%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2891, 0.4150, 0.3841 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 23.2891, 0.4150, 0.3841 by changing the saturation by 10% instead.


 23.2891, 0.4150,
0.3841


 23.2891, 0.4150,
0.3841


269.2064, 0.3581,
0.3557


 14.8071, 0.4311,
0.3909


 48.8676, 0.3929,
0.3738


 8.6841, 0.4526,
0.3991


 66.7329, 0.3850,
0.3699


 4.5357, 0.4826,
0.4084

 88.4948, 0.3785,
0.3666

 1.9775, 0.5581,
0.4419

 114.5376, 0.3731,
0.3638

 0.5944, 0.6006,
0.3994

 145.2458, 0.3685,
0.3614

 0.0000, 0.0000,
0.0000

181.0037, 0.3645,

0.3592

222.1958, 0.3611,
0.3574

■ 23.2891, 0.4150,
0.3841

■ 23.2891, 0.4150,
0.3841

■ 20.8075, 0.4436,
0.3939

■ 26.0651, 0.3887,
0.3729

■ 18.6059, 0.4734,
0.4011

■ 29.1425, 0.3651,
0.3611

■ 16.6736, 0.5030,
0.4044

■ 32.5320, 0.3443,
0.3494

■ 14.9974, 0.5303,
0.4029

■ 36.2429, 0.3262,
0.3381

■ 13.5589, 0.5539,
0.3967

■ 40.2841, 0.3105,
0.3275

■ 13.3646, 0.5573,
0.3957

■ 44.6640, 0.2970,
0.3176

■ 49.3907, 0.2853,
0.3085

■ 54.4720, 0.2751,
0.3001

■ 59.9155, 0.2663,
0.2924

Harmonies

Analogous

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



23.2891, 0.4127, 0.3436



23.2891, 0.4150, 0.3841



23.2891, 0.3881, 0.4152

Triad

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



23.2891, 0.4150, 0.3841



23.2891, 0.2469, 0.3527



23.2891, 0.2773, 0.2496

Complementary

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



23.2891, 0.4150, 0.3841



21.6517, 0.2380, 0.2647

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.



23.2891, 0.2384, 0.2467



23.2891, 0.4150, 0.3841



23.2891, 0.2220, 0.3010

Square

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



23.2891, 0.4150, 0.3841



23.2891, 0.2903, 0.4010



23.2891, 0.2192, 0.2636



23.2891, 0.3292, 0.2699

Rectangle

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



23.2891, 0.4150, 0.3841



23.2891, 0.3587, 0.4244



23.2891, 0.2192, 0.2636



23.2891, 0.2624, 0.2466

Sweetspot

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



23.2902, 0.4150, 0.3841



60.3764, 0.3382, 0.3457



16.9525, 0.3678, 0.2594



12.8746, 0.3420, 0.3480



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.2902, 0.4150, 0.3841



37.0588, 0.4451, 0.3943



35.5006, 0.3861, 0.4384



8.0644, 0.3275, 0.3390



10.0654, 0.5556, 0.3971



0.3475, 0.5001, 0.4411

Inverse Universe

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



21.6517, 0.2380, 0.2647



33.7523, 0.2232, 0.2476



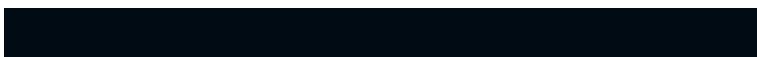
12.6212, 0.2240, 0.1891



7.9719, 0.2987, 0.3188



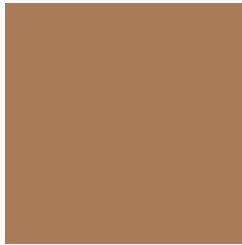
8.3085, 0.1837, 0.1811



0.3014, 0.1987, 0.2352

Previews

White Background



This preview shows how the Yxy color 23.2891, 0.4150, 0.3841 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 23.2891, 0.4150, 0.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

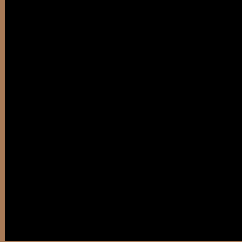
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2891, 0.4150, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 23.2891, 0.4150, 0.3841.



This preview shows how white text looks on a background with the Yxy color 23.2891, 0.4150, 0.3841.

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

23.2891, 0.4150, 0.3841

Protanopia

23.4597, 0.3722, 0.4009

Deuteranopia

23.3242, 0.4018, 0.3944



Tritanopia

23.2598, 0.3707, 0.3156

Trichromacy



Original Color

23.2891, 0.4150, 0.3841

Protanomaly

23.2110, 0.3870, 0.3935

Deuteranomaly

23.3801, 0.4064, 0.3919

Tritanomaly

23.2607, 0.3881, 0.3415

Monochromacy



Original Color

23.2891, 0.4150, 0.3841

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.0725, 0.3479, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2891, 0.4150, 0.3841 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(169, 123, 87)` looks like.

```
.text, #text, p{  
    color:rgb(169, 123, 87)  
}
```

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(169, 123, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 123, 87) }
```

Border

The CSS property to change the border of an element to Yxy 23.2891, 0.4150, 0.3841 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(169, 123, 87) }
```

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

```
.border{ border-color:rgb(169, 123, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 123, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 123, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 123, 87);  
box-shadow:4px 4px 4px 4px rgb(169, 123,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2891, 0.4150, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 123, 87) }
```

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

```
.background{ background-color: rgb(169,  
123, 87) }
```

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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