

Converting Colors

$Y_{xy}(23.0289, 0.4092, 0.3705)$

Have a look what the booklet for
Yxy(23.0289, 0.4092, 0.3705)
contains.

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Color

Yxy(23.0289, 0.4092, 0.3705)

Conversions

Conversions Part 1

Format	Color
Hex	AA795E
RGB	170, 121, 94
RGB Percent	67%, 47%, 37%
CMY	0.3334, 0.5255, 0.6314
CMYK	0.00, 0.29, 0.45, 0.33
HSL	21°, 31%, 52%
HSV	21°, 45%, 67%
XYZ	25.4343, 23.0289, 13.6930
YIQ	132.5730, 37.8710, 1.9910

Conversions

Conversions Part 2

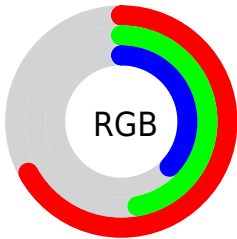
Format	Color
R_{YB}	170, 136, 94
Decimal	11172190
CIE Lab	55.10, 15.73, 22.39
CIE LCh	55, 27.361, 54.909
Yxy	23.0289, 0.4092, 0.3705
Android (android.graphics.Color)	4289362270 (0xFFAA795E)
YUV	132.5730, -19.0165, 32.8235
Hunter-Lab	47.9884, 10.6270, 16.6741

Details

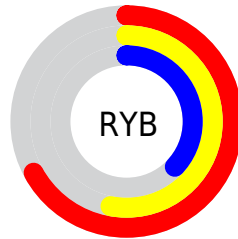
The Yxy color **23.0289, 0.4092, 0.3705** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.9218, 0.2456, 0.2822**, and the grayscale version is **23.3527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2624, 0.3879, 0.3619**, and **8.5530, 0.4480, 0.3819** is the 20% darker color. If you saturate the color by 10%, you get **20.2438, 0.4398, 0.3789**, and if you desaturate by 10%, it is **26.1861, 0.3819, 0.3611**.

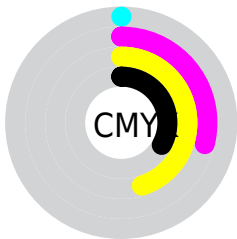
Distribution



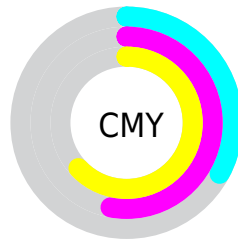
- Red (67%)
- Green (47%)
- Blue (37%)



- Red (67%)
- Yellow (53%)
- Blue (37%)



- Cyan (0%)
- Magenta (29%)
- Yellow (45%)
- Black (33%)





- Cyan (33%)
- Magenta (53%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0289, 0.4092, 0.3705 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 23.0289, 0.4092, 0.3705 by changing the saturation by 10% instead.


 23.0289, 0.4092,
0.3705

 23.0289, 0.4092,
0.3705


267.8734, 0.3551,
0.3493


 14.6148, 0.4248,
0.3755


 48.4408, 0.3880,
0.3629


 8.5495, 0.4460,
0.3816


 66.2074, 0.3805,
0.3600

 4.4485, 0.4764,
0.3883

 87.8603, 0.3744,
0.3575

 1.9275, 0.5393,
0.4068

 113.7839, 0.3693,
0.3554

 0.5648, 0.6205,
0.3795

144.3627, 0.3649,
0.3536

 0.0000, 0.0000,
0.0000

179.9809, 0.3612,

0.3520

221.0230, 0.3579,
0.3506

■ 23.0289, 0.4092,
0.3705

■ 23.0289, 0.4092,
0.3705

■ 20.2438, 0.4398,
0.3789

■ 26.1861, 0.3819,
0.3611

■ 17.8127, 0.4728,
0.3853

■ 29.7255, 0.3581,
0.3515

■ 15.7213, 0.5068,
0.3884

■ 33.6613, 0.3376,
0.3420

■ 13.9525, 0.5393,
0.3873

■ 38.0057, 0.3200,
0.3330

■ 12.4872, 0.5673,
0.3811

■ 42.7705, 0.3051,
0.3246

■ 11.8212, 0.5809,
0.3770

■ 47.9668, 0.2924,
0.3169

■ 53.6054, 0.2815,
0.3098

■ 59.6968, 0.2722,
0.3033

■ 66.2509, 0.2642,
0.2974

Harmonies

Analogous

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



23.0289, 0.3988, 0.3322



23.0289, 0.4092, 0.3705



23.0289, 0.3916, 0.4024

Triad

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



23.0289, 0.4092, 0.3705



23.0289, 0.2619, 0.3644



23.0289, 0.2685, 0.2529

Complementary

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



23.0289, 0.4092, 0.3705



24.9218, 0.2456, 0.2822

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.



23.0289, 0.2370, 0.2553



23.0289, 0.4092, 0.3705



23.0289, 0.2332, 0.3161

Square

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



23.0289, 0.4092, 0.3705



23.0289, 0.3055, 0.4035



23.0289, 0.2246, 0.2768



23.0289, 0.3141, 0.2675

Rectangle

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



23.0289, 0.4092, 0.3705



23.0289, 0.3676, 0.4146



23.0289, 0.2246, 0.2768



23.0289, 0.2561, 0.2517

Sweetspot

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



23.0300, 0.4092, 0.3705



62.1912, 0.3348, 0.3407



18.5454, 0.3527, 0.2558



13.5058, 0.3389, 0.3427



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.



23.0300, 0.4092, 0.3705



36.6037, 0.4406, 0.3791



34.0109, 0.3844, 0.4227



7.9624, 0.3277, 0.3371



8.7933, 0.5789, 0.3785



0.3103, 0.5172, 0.4276

Inverse Universe

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



24.9218, 0.2456, 0.2822



40.4431, 0.2318, 0.2692



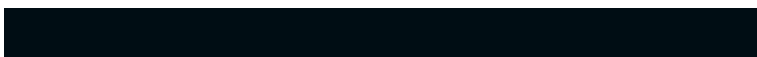
15.4656, 0.2338, 0.2132



8.0767, 0.2987, 0.3208



10.3799, 0.1918, 0.2105



0.3436, 0.2040, 0.2542

Previews

White Background



This preview shows how the Yxy color 23.0289, 0.4092, 0.3705 looks on a white background.

Color Contrast Check

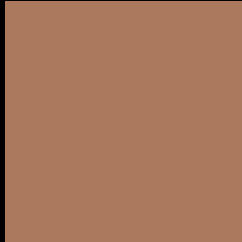
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0289, 0.4092, 0.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

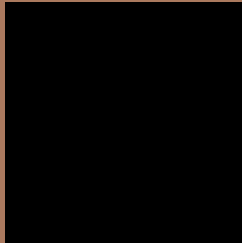
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0289, 0.4092, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 23.0289, 0.4092, 0.3705.



This preview shows how white text looks on a background with the Yxy color 23.0289, 0.4092, 0.3705.

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

23.0289, 0.4092, 0.3705

Protanopia

23.1542, 0.3613, 0.3863

Deuteranopia

23.1372, 0.3899, 0.3844



Tritanopia

23.1132, 0.3736, 0.3156

Trichromacy



Original Color

23.0289, 0.4092, 0.3705

Protanomaly

22.9768, 0.3783, 0.3808

Deuteranomaly

23.1389, 0.3976, 0.3800

Tritanomaly

22.9424, 0.3877, 0.3353

Monochromacy



Original Color

23.0289, 0.4092, 0.3705

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1434, 0.3444, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0289, 0.4092, 0.3705 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, 121, 94)` looks like.

```
.text, #text, p{  
    color:rgb(170, 121, 94)  
}
```

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, 121, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 121, 94) }
```

Border

The CSS property to change the border of an element to Yxy 23.0289, 0.4092, 0.3705 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, 121, 94) }
```

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

```
.border{ border-color:rgb(170, 121, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 121, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 121, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 121, 94);  
box-shadow:4px 4px 4px 4px rgb(170, 121,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0289, 0.4092, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 121, 94) }
```

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

```
.background{ background-color: rgb(170,  
121, 94) }
```

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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