

Converting Colors

$Y_{xy}(23.7256, 0.4002, 0.3516)$

Have a look what the booklet for
Yxy(23.7256, 0.4002, 0.3516)
contains.

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Color

Yxy(23.8293, 0.4002, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	AF796A
RGB	175, 121, 106
RGB Percent	69%, 47%, 42%
CMY	0.3138, 0.5254, 0.5843
CMYK	0.00, 0.31, 0.39, 0.31
HSL	13°, 30%, 55%
HSV	13°, 39%, 69%
XYZ	27.1154, 23.8293, 16.8099
YIQ	135.4360, 36.9990, 6.7830

Conversions

Conversions Part 2

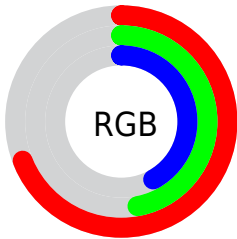
Format	Color
R_{YB}	175, 125, 106
Decimal	11499882
CIE Lab	55.92, 19.17, 16.70
CIE LCh	56, 25.423, 41.070
Yxy	23.8293, 0.4002, 0.3517
Android (android.graphics.Color)	4289689962 (0xFFAF796A)
YUV	135.4360, -14.5119, 34.6976
Hunter-Lab	48.8153, 13.7246, 13.7537

Details

The Yxy color **23.8293, 0.4002, 0.3517** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.2951, 0.2555, 0.3046**, and the grayscale version is **24.4446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8622, 0.3811, 0.3487**, and **8.9436, 0.4326, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **20.4071, 0.4332, 0.3572**, and if you desaturate by 10%, it is **27.8005, 0.3719, 0.3458**.

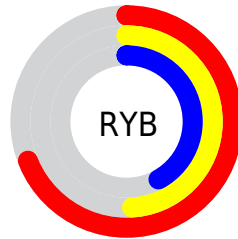
Distribution



Red (69%)

Green (47%)

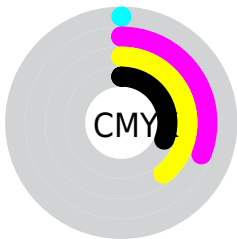
Blue (42%)



Red (69%)

Yellow (49%)

Blue (42%)

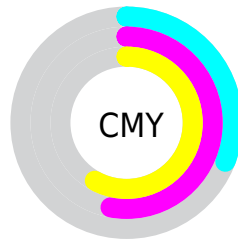


Cyan (0%)

Magenta (31%)

Yellow (39%)

Black (31%)



Cyan (31%)


Magenta (53%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8293, 0.4002, 0.3517 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 23.8293, 0.4002, 0.3517 by changing the saturation by 10% instead.


 23.8293, 0.4002,
0.3517


 23.8293, 0.4002,
0.3517


271.9563, 0.3512,
0.3406


 15.2070, 0.4144,
0.3541


 49.7515, 0.3810,
0.3479


 8.9648, 0.4340,
0.3569


 67.8202, 0.3742,
0.3463

 4.7182, 0.4625,
0.3596

 89.8066, 0.3686,
0.3450

 2.0829, 0.5082,
0.3615

 116.0949, 0.3640,
0.3439

 0.6550, 0.6301,
0.3699

147.0697, 0.3600,
0.3429

 0.0000, 1.0000,
0.0000

183.1153, 0.3567,

 0.0000, 0.0000,

0.3421

0.0000

224.6160, 0.3537,
0.3413

■ 23.8293, 0.4002,
0.3517

■ 23.8293, 0.4002,
0.3517

■ 20.4071, 0.4332,
0.3572

■ 27.8005, 0.3719,
0.3458

■ 17.5061, 0.4704,
0.3615

■ 32.3401, 0.3482,
0.3398

■ 15.1013, 0.5104,
0.3637


■ 37.4707, 0.3283,
0.3341


■ 13.1639, 0.5501,
0.3628


■ 43.2126, 0.3118,
0.3287


■ 11.6623, 0.5851,
0.3583

■ 49.5852, 0.2981,
0.3238


 10.5555, 0.6123,
0.3512

 56.6070, 0.2867,
0.3192

 10.5012, 0.6138,
0.3509

 64.2958, 0.2771,
0.3151

 72.6687, 0.2690,
0.3114

 81.1825, 0.2662,
0.3171

Harmonies

Analogous

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



23.8293, 0.3789, 0.3160



23.8293, 0.4002, 0.3517



23.8293, 0.3957, 0.3848

Triad

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



23.8293, 0.4002, 0.3517



23.8293, 0.2835, 0.3800



23.8293, 0.2565, 0.2575

Complementary

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



23.8293, 0.4002, 0.3517



31.2951, 0.2555, 0.3046

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.



23.8293, 0.2350, 0.2681



23.8293, 0.4002, 0.3517



23.8293, 0.2495, 0.3377

Square

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



23.8293, 0.4002, 0.3517



23.8293, 0.3268, 0.4060



23.8293, 0.2325, 0.2962



23.8293, 0.2937, 0.2640

Rectangle

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



23.8293, 0.4002, 0.3517



23.8293, 0.3795, 0.4011



23.8293, 0.2325, 0.2962



23.8293, 0.2474, 0.2591

Sweetspot

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



23.8305, 0.4002, 0.3517



64.4484, 0.3335, 0.3356



21.9623, 0.3349, 0.2521



14.0606, 0.3359, 0.3364



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.8305, 0.4002, 0.3517



37.4750, 0.4276, 0.3564



33.7421, 0.3806, 0.4004



8.2873, 0.3281, 0.3340



7.5989, 0.6119, 0.3523



0.2899, 0.5561, 0.3967

Inverse Universe

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



31.2951, 0.2555, 0.3046



52.6254, 0.2449, 0.2985



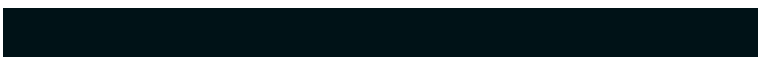
20.9677, 0.2465, 0.2451



8.7720, 0.2986, 0.3240



15.1104, 0.2052, 0.2586



0.4930, 0.2117, 0.2823

Previews

White Background



This preview shows how the Yxy color 23.8293, 0.4002, 0.3517 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 23.8293, 0.4002, 0.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

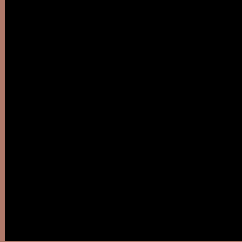
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8293, 0.4002, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 23.8293, 0.4002, 0.3517.



This preview shows how white text looks on a background with the Yxy color 23.8293, 0.4002, 0.3517.

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

23.8293, 0.4002, 0.3517

Protanopia

23.9708, 0.3460, 0.3669

Deuteranopia

23.8885, 0.3746, 0.3682



Tritanopia

23.8363, 0.3769, 0.3159

Trichromacy



Original Color

23.8293, 0.4002, 0.3517

Protanomaly

23.6963, 0.3649, 0.3604

Deuteranomaly

23.8341, 0.3849, 0.3623

Tritanomaly

23.7557, 0.3857, 0.3292

Monochromacy



Original Color

23.8293, 0.4002, 0.3517

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.9045, 0.3432, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8293, 0.4002, 0.3517 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(175, 121, 106)` looks like.

```
.text, #text, p{  
    color:rgb(175, 121, 106)  
}
```

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(175, 121, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 121, 106) }
```

Border

The CSS property to change the border of an element to Yxy 23.8293, 0.4002, 0.3517 is called "border". The border property can be set on classes, ids or directly on the HTML element.

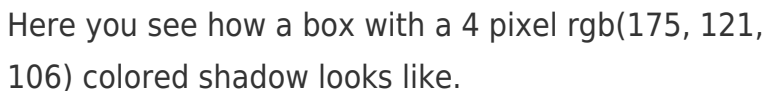
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 121, 106) }
```

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

```
.border{ border-color:rgb(175, 121, 106) }
```

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



Here you see how a box with a 4 pixel rgb(175, 121, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 121, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 121, 106);  
box-shadow:4px 4px 4px 4px rgb(175, 121,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8293, 0.4002, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 121, 106) }
```

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

```
.background{ background-color: rgb(175,  
121, 106) }
```

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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