

Converting Colors

$Y_{xy}(23.5913, 0.3905, 0.3619)$

Have a look what the booklet for
Yxy(23.5913, 0.3905, 0.3619)
contains.

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Color

Yxy(23.5016, 0.3910, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	A67C67
RGB	166, 124, 103
RGB Percent	65%, 49%, 40%
CMY	0.3490, 0.5137, 0.5960
CMYK	0.00, 0.25, 0.38, 0.35
HSL	20°, 26%, 53%
HSV	20°, 38%, 65%
XYZ	25.3843, 23.5016, 16.0356
YIQ	134.1640, 31.7730, 2.3730

Conversions

Conversions Part 2

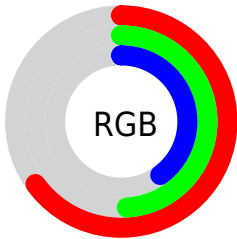
Format	Color
R_{YB}	166, 135, 103
Decimal	10910823
CIE _{Lab}	55.59, 13.44, 17.80
CIE _{LCh}	56, 22.305, 52.962
Yxy	23.5016, 0.3910, 0.3620
Android (android.graphics.Color)	4289100903 (0xFFA67C67)
YUV	134.1640, -15.3639, 27.9202
Hunter-Lab	48.4784, 8.6290, 14.3231

Details

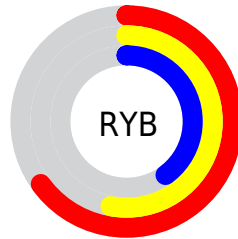
The Yxy color **23.5016, 0.3910, 0.3620** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.8998, 0.2558, 0.2930**, and the grayscale version is **23.9538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3070, 0.3735, 0.3564**, and **8.7624, 0.4203, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **20.5805, 0.4199, 0.3706**, and if you desaturate by 10%, it is **26.8028, 0.3657, 0.3530**.

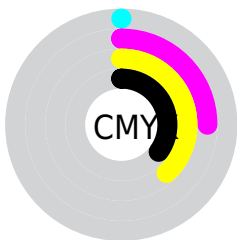
Distribution



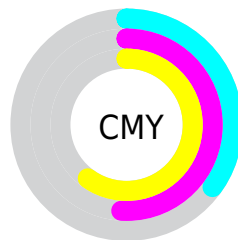
- Red (65%)
- Green (49%)
- Blue (40%)



- Red (65%)
- Yellow (53%)
- Blue (40%)



- Cyan (0%)
- Magenta (25%)
- Yellow (38%)
- Black (35%)





- Cyan (35%)
- Magenta (51%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5016, 0.3910, 0.3620 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 23.5016, 0.3910, 0.3620 by changing the saturation by 10% instead.


 23.5016, 0.3910,
0.3620


 23.5016, 0.3910,
0.3620


270.2910, 0.3471,
0.3449


 14.9643, 0.4037,
0.3663


 49.2157, 0.3738,
0.3557


 8.7943, 0.4213,
0.3717


 67.1612, 0.3677,
0.3533

 4.6073, 0.4467,
0.3784

 89.0117, 0.3627,
0.3514

 2.0187, 0.4896,
0.3884

 115.1514, 0.3586,
0.3497

 0.6183, 0.5975,
0.4025

145.9648, 0.3551,
0.3482

 0.0000, 0.0000,
0.0000

181.8362, 0.3520,

0.3470

223.1502, 0.3494,
0.3458

■ 23.5016, 0.3910,
0.3620

■ 23.5016, 0.3910,
0.3620

■ 20.5805, 0.4199,
0.3706

■ 26.8028, 0.3657,
0.3530

■ 18.0219, 0.4522,
0.3779

■ 30.4942, 0.3440,
0.3440

■ 15.8119, 0.4867,
0.3829

■ 34.5895, 0.3254,
0.3354


■ 13.9339, 0.5215,
0.3844

■ 39.1008, 0.3097,
0.3274


■ 12.3702, 0.5537,
0.3814


■ 44.0398, 0.2963,
0.3199

 11.0978, 0.5810,
0.3741

 49.4176, 0.2849,
0.3131

 10.8677, 0.5865,
0.3725

 55.2448, 0.2752,
0.3069

 61.5318, 0.2669,
0.3012

 68.2885, 0.2598,
0.2960

Harmonies

Analogous

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



23.5016, 0.3809, 0.3303



23.5016, 0.3910, 0.3620



23.5016, 0.3786, 0.3879

Triad

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



23.5016, 0.3910, 0.3620



23.5016, 0.2736, 0.3599



23.5016, 0.2747, 0.2659

Complementary

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



23.5016, 0.3910, 0.3620



25.8998, 0.2558, 0.2930

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.



23.5016, 0.2493, 0.2694



23.5016, 0.3910, 0.3620



23.5016, 0.2487, 0.3217

Square

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



23.5016, 0.3910, 0.3620



23.5016, 0.3099, 0.3897



23.5016, 0.2402, 0.2888



23.5016, 0.3116, 0.2771

Rectangle

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



23.5016, 0.3910, 0.3620



23.5016, 0.3600, 0.3978



23.5016, 0.2402, 0.2888



23.5016, 0.2647, 0.2653

Sweetspot

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



23.5027, 0.3910, 0.3620



60.2617, 0.3312, 0.3382



19.8903, 0.3420, 0.2639



13.2677, 0.3335, 0.3393



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.



23.5027, 0.3910, 0.3620



37.8909, 0.4166, 0.3697



32.3523, 0.3742, 0.4061



7.9353, 0.3278, 0.3366



8.5044, 0.5848, 0.3738



0.3004, 0.5222, 0.4235

Inverse Universe

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



25.8998, 0.2558, 0.2930



42.8747, 0.2433, 0.2829



17.8019, 0.2478, 0.2377



8.1048, 0.2987, 0.3213



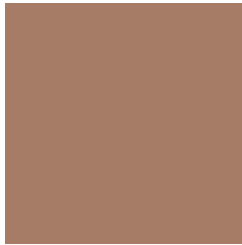
10.9919, 0.1940, 0.2184



0.3555, 0.2053, 0.2592

Previews

White Background



This preview shows how the Yxy color 23.5016, 0.3910, 0.3620 looks on a white background.

Color Contrast Check

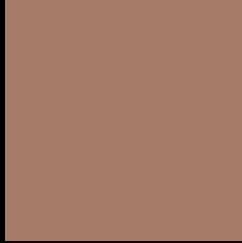
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5016, 0.3910, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

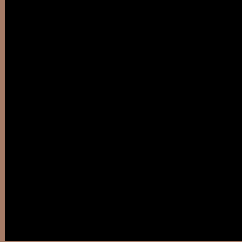
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5016, 0.3910, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 23.5016, 0.3910, 0.3620.



This preview shows how white text looks on a background with the Yxy color 23.5016, 0.3910, 0.3620.

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

23.5016, 0.3910, 0.3620

Protanopia

23.5874, 0.3519, 0.3739

Deuteranopia

23.5658, 0.3787, 0.3715



Tritanopia

23.4529, 0.3636, 0.3154

Trichromacy



Original Color

23.5016, 0.3910, 0.3620

Protanomaly

23.5852, 0.3654, 0.3692

Deuteranomaly

23.6116, 0.3830, 0.3693

Tritanomaly

23.3556, 0.3735, 0.3307

Monochromacy



Original Color

23.5016, 0.3910, 0.3620

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.5063, 0.3395, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5016, 0.3910, 0.3620 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(166, 124, 103)` looks like.

```
.text, #text, p{  
    color:rgb(166, 124, 103)  
}
```

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(166, 124, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 124, 103) }
```

Border

The CSS property to change the border of an element to Yxy 23.5016, 0.3910, 0.3620 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(166, 124, 103) }
```

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

```
.border{ border-color:rgb(166, 124, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 124, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 124, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 124, 103);  
box-shadow:4px 4px 4px 4px rgb(166, 124,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5016, 0.3910, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 124, 103) }
```

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

```
.background{ background-color: rgb(166,  
124, 103) }
```

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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