

Converting Colors

$Y_{xy}(23.3511, 0.4074, 0.3643)$

Have a look what the booklet for
Yxy(23.3511, 0.4074, 0.3643)
contains.

Yxy(23.3272, 0.4067, 0.3641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3272, 0.4067, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	AC7962
RGB	172, 121, 98
RGB Percent	67%, 47%, 38%
CMY	0.3255, 0.5255, 0.6157
CMYK	0.00, 0.30, 0.43, 0.33
HSL	19°, 31%, 53%
HSV	19°, 43%, 67%
XYZ	26.0565, 23.3272, 14.6844
YIQ	133.6270, 37.7790, 3.6590

Conversions

Conversions Part 2

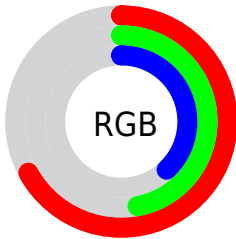
Format	Color
R_{YB}	172, 131, 98
Decimal	11303266
CIE _{Lab}	55.41, 17.02, 20.55
CIE _{LCh}	55, 26.684, 50.375
Yxy	23.3272, 0.4067, 0.3641
Android (android.graphics.Color)	4289493346 (0xFFAC7962)
YUV	133.6270, -17.5641, 33.6531
Hunter-Lab	48.2982, 11.7774, 15.7825

Details

The Yxy color **23.3272, 0.4067, 0.3641** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.0729, 0.2489, 0.2900**, and the grayscale version is **23.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1000, 0.3857, 0.3581**, and **8.6557, 0.4424, 0.3736** is the 20% darker color. If you saturate the color by 10%, you get **20.3310, 0.4382, 0.3716**, and if you desaturate by 10%, it is **26.7496, 0.3789, 0.3558**.

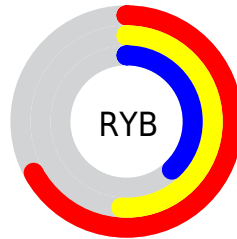
Distribution



Red (67%)

Green (47%)

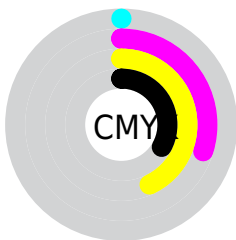
Blue (38%)



Red (67%)

Yellow (51%)

Blue (38%)

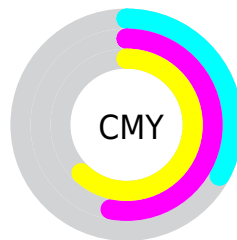


Cyan (0%)

Magenta (30%)

Yellow (43%)

Black (33%)



Cyan (33%)

Magenta (53%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3272, 0.4067, 0.3641 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 23.3272, 0.4067, 0.3641 by changing the saturation by 10% instead.


 23.3272, 0.4067,
0.3641

 23.3272, 0.4067,
0.3641


269.4011, 0.3540,
0.3464

 14.8353, 0.4219,
0.3682


 48.9300, 0.3861,
0.3578


 8.7039, 0.4428,
0.3731


 66.8098, 0.3788,
0.3554

 4.5485, 0.4727,
0.3785

 88.5875, 0.3728,
0.3533

 1.9849, 0.5281,
0.3895

 114.6478, 0.3678,
0.3515

 0.5987, 0.6238,
0.3762

145.3748, 0.3635,
0.3500

 0.0000, 0.0000,
0.0000

181.1532, 0.3599,

0.3486

222.3671, 0.3567,
0.3474

■ 23.3272, 0.4067,
0.3641

■ 23.3272, 0.4067,
0.3641

■ 20.3310, 0.4382,
0.3716

■ 26.7496, 0.3789,
0.3558

■ 17.7404, 0.4728,
0.3773

■ 30.6111, 0.3550,
0.3473

■ 15.5377, 0.5090,
0.3802


■ 34.9281, 0.3346,
0.3391


■ 13.7030, 0.5439,
0.3791

■ 39.7153, 0.3174,
0.3313

■ 12.2135, 0.5743,
0.3733


■ 44.9866, 0.3028,
0.3240

 11.3596, 0.5926,
0.3677

 50.7552, 0.2905,
0.3173

 57.0340, 0.2800,
0.3112

 63.8354, 0.2711,
0.3057

 71.1711, 0.2634,
0.3006

Harmonies

Analogous

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



23.3272, 0.3924, 0.3266



23.3272, 0.4067, 0.3641



23.3272, 0.3935, 0.3965

Triad

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



23.3272, 0.4067, 0.3641



23.3272, 0.2691, 0.3701



23.3272, 0.2640, 0.2541

Complementary

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



23.3272, 0.4067, 0.3641



27.0729, 0.2489, 0.2900

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.



23.3272, 0.2359, 0.2593



23.3272, 0.4067, 0.3641



23.3272, 0.2384, 0.3235

Square

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



23.3272, 0.4067, 0.3641



23.3272, 0.3128, 0.4050



23.3272, 0.2269, 0.2832



23.3272, 0.3069, 0.2660

Rectangle

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



23.3272, 0.4067, 0.3641



23.3272, 0.3720, 0.4103



23.3272, 0.2269, 0.2832



23.3272, 0.2527, 0.2538

Sweetspot

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



23.3283, 0.4067, 0.3641



63.1874, 0.3350, 0.3392



19.7028, 0.3457, 0.2535



13.3517, 0.3391, 0.3410



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.



23.3283, 0.4067, 0.3641



36.9273, 0.4379, 0.3715



33.8373, 0.3838, 0.4147



8.4063, 0.3279, 0.3361



8.5405, 0.5907, 0.3691



0.3364, 0.5315, 0.4162

Inverse Universe

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



27.0729, 0.2489, 0.2900



44.5980, 0.2359, 0.2793



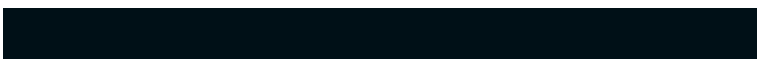
17.3417, 0.2382, 0.2249



8.6457, 0.2986, 0.3218



12.0554, 0.1961, 0.2260



0.4269, 0.2058, 0.2609

Previews

White Background



This preview shows how the Yxy color 23.3272, 0.4067, 0.3641 looks on a white background.

Color Contrast Check

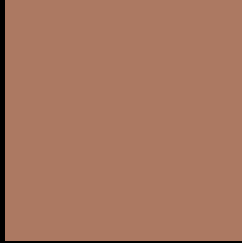
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3272, 0.4067, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

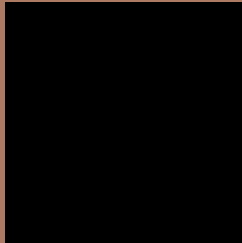
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3272, 0.4067, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 23.3272, 0.4067, 0.3641.



This preview shows how white text looks on a background with the Yxy color 23.3272, 0.4067, 0.3641.

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

23.3272, 0.4067, 0.3641

Protanopia

23.5051, 0.3564, 0.3809

Deuteranopia

23.3109, 0.3864, 0.3777



Tritanopia

23.3429, 0.3761, 0.3158

Trichromacy



Original Color

23.3272, 0.4067, 0.3641

Protanomaly

23.4124, 0.3743, 0.3755

Deuteranomaly

23.3168, 0.3940, 0.3735

Tritanomaly

23.2165, 0.3876, 0.3322

Monochromacy



Original Color

23.3272, 0.4067, 0.3641

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.3769, 0.3445, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3272, 0.4067, 0.3641 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(172, 121, 98)` looks like.

```
.text, #text, p{  
    color:rgb(172, 121, 98)  
}
```

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(172, 121, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 121, 98) }
```

Border

The CSS property to change the border of an element to Yxy 23.3272, 0.4067, 0.3641 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(172, 121, 98) }
```

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

```
.border{ border-color:rgb(172, 121, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 121, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 121, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 121, 98);  
box-shadow:4px 4px 4px 4px rgb(172, 121,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3272, 0.4067, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 121, 98) }
```

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

```
.background{ background-color: rgb(172,  
121, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor