

Converting Colors

$Y_{xy}(23.0054, 0.4093, 0.4087)$

Have a look what the booklet for
Yxy(23.0054, 0.4093, 0.4087)
contains.

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Color

Yxy(22.9837, 0.4094, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	9E7F4D
RGB	158, 127, 77
RGB Percent	62%, 50%, 30%
CMY	0.3803, 0.5020, 0.6980
CMYK	0.00, 0.20, 0.51, 0.38
HSL	37°, 34%, 46%
HSV	37°, 51%, 62%
XYZ	23.0343, 22.9837, 10.2456
YIQ	130.5690, 34.5260, -8.9780

Conversions

Conversions Part 2

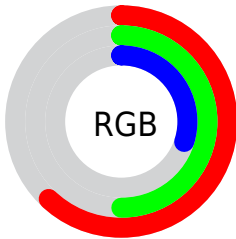
Format	Color
RYB	127, 158, 77
Decimal	10387277
CIELab	55.06, 5.46, 31.54
CIElCh	55, 32.010, 80.181
Yxy	22.9837, 0.4094, 0.4085
Android (android.graphics.Color)	4288577357 (0xFF9E7F4D)
YUV	130.5690, -26.4095, 24.0570
Hunter-Lab	47.9413, 1.8665, 20.8880

Details

The Yxy color **22.9837, 0.4094, 0.4085** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.7842, 0.2288, 0.2316**, and the grayscale version is **22.6237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4710, 0.3885, 0.3932**, and **8.4908, 0.4418, 0.4321** is the 20% darker color. If you saturate the color by 10%, you get **21.2709, 0.4317, 0.4216**, and if you desaturate by 10%, it is **24.8469, 0.3876, 0.3936**.

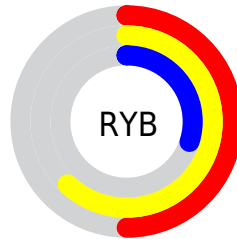
Distribution



Red (62%)

Green (50%)

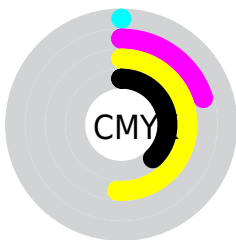
Blue (30%)



Red (50%)

Yellow (62%)

Blue (30%)

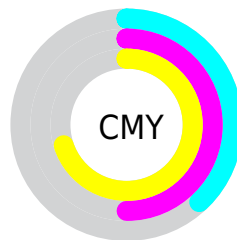


Cyan (0%)

Magenta (20%)

Yellow (51%)

Black (38%)



Cyan (38%)


Magenta (50%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9837, 0.4094, 0.4085 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 22.9837, 0.4094, 0.4085 by changing the saturation by 10% instead.


 22.9837, 0.4094,
0.4085


 22.9837, 0.4094,
0.4085


267.6413, 0.3563,
0.3661


 14.5815, 0.4239,
0.4193


 48.3666, 0.3891,
0.3927

 8.5262, 0.4427,
0.4328

 66.1160, 0.3817,
0.3869


 4.4334, 0.4679,
0.4494

 87.7499, 0.3756,
0.3820

 1.9189, 0.5173,
0.4827

 113.6528, 0.3705,
0.3778

 0.5597, 0.5431,
0.4569

 144.2090, 0.3661,
0.3743

 0.0000, 0.0000,
0.0000

179.8028, 0.3624,

0.3712

220.8188, 0.3591,
0.3685

■ 22.9837, 0.4094,
0.4085

■ 22.9837, 0.4094,
0.4085

■ 21.2709, 0.4317,
0.4216

■ 24.8469, 0.3876,
0.3936

■ 19.6996, 0.4537,
0.4316

■ 26.8625, 0.3669,
0.3777

■ 18.2646, 0.4741,
0.4376

■ 29.0363, 0.3477,
0.3616

■ 16.9590, 0.4919,
0.4388

■ 31.3729, 0.3303,
0.3459

■ 15.9118, 0.5057,
0.4367

■ 33.8767, 0.3146,
0.3308

■ 36.5518, 0.3006,
0.3167

■ 39.4020, 0.2881,
0.3035

■ 42.4313, 0.2771,
0.2914

■ 45.6432, 0.2673,
0.2802

Harmonies

Analogous

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



22.9837, 0.4259, 0.3689



22.9837, 0.4094, 0.4085



22.9837, 0.3670, 0.4311

Triad

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



22.9837, 0.4094, 0.4085



22.9837, 0.2244, 0.3218



22.9837, 0.3049, 0.2544

Complementary

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



22.9837, 0.4094, 0.4085



14.7842, 0.2288, 0.2316

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.



22.9837, 0.2541, 0.2404



22.9837, 0.4094, 0.4085



22.9837, 0.2111, 0.2735

Square

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



22.9837, 0.4094, 0.4085



22.9837, 0.2603, 0.3794



22.9837, 0.2215, 0.2460



22.9837, 0.3627, 0.2844

Rectangle

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



22.9837, 0.4094, 0.4085



22.9837, 0.3310, 0.4293



22.9837, 0.2215, 0.2460



22.9837, 0.2864, 0.2478

Sweetspot

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



22.9848, 0.4094, 0.4085



55.2052, 0.3371, 0.3521



13.6660, 0.3977, 0.2791



12.2560, 0.3405, 0.3553



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



22.9848, 0.4094, 0.4085



38.0371, 0.4361, 0.4238



31.3502, 0.3755, 0.4547



7.2930, 0.3270, 0.3428



12.8162, 0.5048, 0.4374



0.3090, 0.4633, 0.4703

Inverse Universe

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



14.7842, 0.2288, 0.2316



21.4450, 0.2096, 0.2038



9.7799, 0.2267, 0.1744



6.8311, 0.2988, 0.3148



4.6819, 0.1681, 0.1250



0.1626, 0.1897, 0.2029

Previews

White Background



This preview shows how the Yxy color 22.9837, 0.4094, 0.4085 looks on a white background.

Color Contrast Check

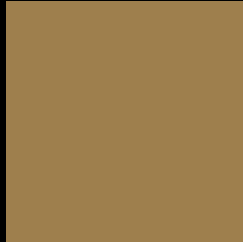
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9837, 0.4094, 0.4085 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 22.9837, 0.4094, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 22.9837, 0.4094, 0.4085.



This preview shows how white text looks on a background with the Yxy color 22.9837, 0.4094, 0.4085.

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

22.9837, 0.4094, 0.4085

Protanopia

22.9963, 0.3856, 0.4190

Deuteranopia

22.9311, 0.4127, 0.4062



Tritanopia

23.0730, 0.3546, 0.3150

Trichromacy



Original Color

22.9837, 0.4094, 0.4085

Protanomaly

22.9049, 0.3945, 0.4154

Deuteranomaly

22.8285, 0.4115, 0.4067

Tritanomaly

22.8907, 0.3752, 0.3484

Monochromacy



Original Color

22.9837, 0.4094, 0.4085

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.7757, 0.3472, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9837, 0.4094, 0.4085 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(158, 127, 77)` looks like.

```
.text, #text, p{  
    color:rgb(158, 127, 77)  
}
```

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(158, 127, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 127, 77) }
```

Border

The CSS property to change the border of an element to Yxy 22.9837, 0.4094, 0.4085 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(158, 127, 77) }
```

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

```
.border{ border-color:rgb(158, 127, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 127, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 127, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 127, 77);  
box-shadow:4px 4px 4px 4px rgb(158, 127,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9837, 0.4094, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 127, 77) }
```

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

```
.background{ background-color: rgb(158,  
127, 77) }
```

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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