

Converting Colors

$Y_{xy}(22.6271, 0.3993, 0.3837)$

Have a look what the booklet for
Yxy(22.6271, 0.3993, 0.3837)
contains.

Yxy(22.6271, 0.3993, 0.3837)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6271, 0.3993, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	A07C5A
RGB	160, 124, 90
RGB Percent	63%, 49%, 35%
CMY	0.3726, 0.5137, 0.6471
CMYK	0.00, 0.22, 0.44, 0.37
HSL	29°, 28%, 49%
HSV	29°, 44%, 63%
XYZ	23.5470, 22.6271, 12.7967
YIQ	130.8880, 32.3700, -2.9420

Conversions

Conversions Part 2

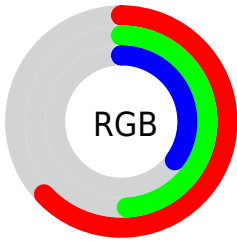
Format	Color
R_{YB}	160, 156, 90
Decimal	10517594
CIE _{Lab}	54.69, 9.35, 23.91
CIE _{LCh}	55, 25.669, 68.645
Yxy	22.6271, 0.3993, 0.3837
Android (android.graphics.Color)	4288707674 (0xFFA07C5A)
YUV	130.8880, -20.1578, 25.5312
Hunter-Lab	47.5680, 5.1170, 17.3475

Details

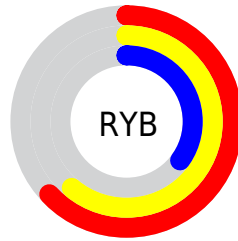
The Yxy color **22.6271, 0.3993, 0.3837** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.6212, 0.2444, 0.2662**, and the grayscale version is **22.7194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9367, 0.3804, 0.3739**, and **8.3398, 0.4325, 0.3992** is the 20% darker color. If you saturate the color by 10%, you get **20.4087, 0.4252, 0.3954**, and if you desaturate by 10%, it is **25.0781, 0.3755, 0.3710**.

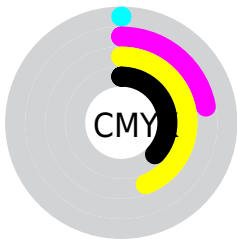
Distribution



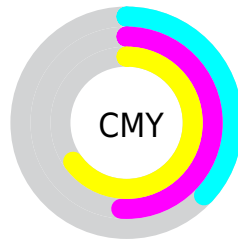
- Red (63%)
- Green (49%)
- Blue (35%)



- Red (63%)
- Yellow (61%)
- Blue (35%)



- Cyan (0%)
- Magenta (22%)
- Yellow (44%)
- Black (37%)




- Cyan (37%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6271, 0.3993, 0.3837 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 22.6271, 0.3993, 0.3837 by changing the saturation by 10% instead.


 22.6271, 0.3993,
0.3837


 22.6271, 0.3993,
0.3837


265.8039, 0.3509,
0.3546

 14.3184, 0.4132,
0.3912


 47.7803, 0.3804,
0.3728

 8.3425, 0.4319,
0.4008


 65.3936, 0.3737,
0.3688


 4.3148, 0.4585,
0.4128

 86.8772, 0.3682,
0.3655

 1.8512, 0.5255,
0.4505

 112.6155, 0.3636,
0.3626

 0.5188, 0.5816,
0.4184

 142.9930, 0.3597,
0.3602

 0.0000, 0.0000,
0.0000

178.3939, 0.3563,

0.3581

219.2027, 0.3534,
0.3562

■ 22.6271, 0.3993,
0.3837

■ 22.6271, 0.3993,
0.3837

■ 20.4087, 0.4252,
0.3954

■ 25.0781, 0.3755,
0.3710

■ 18.4118, 0.4526,
0.4050

■ 27.7659, 0.3540,
0.3581

■ 16.6288, 0.4802,
0.4115

■ 30.6988, 0.3351,
0.3454

■ 15.0503, 0.5065,
0.4136

■ 33.8834, 0.3184,
0.3333

■ 13.6658, 0.5296,
0.4104

■ 37.3263, 0.3039,
0.3220

■ 12.8876, 0.5431,
0.4069

■ 41.0335, 0.2912,
0.3115

■ 45.0111, 0.2802,
0.3018

■ 49.2649, 0.2706,
0.2929

■ 53.8002, 0.2622,
0.2848

Harmonies

Analogous

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



22.6271, 0.4018, 0.3492



22.6271, 0.3993, 0.3837



22.6271, 0.3726, 0.4073

Triad

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



22.6271, 0.3993, 0.3837



22.6271, 0.2501, 0.3416



22.6271, 0.2896, 0.2612

Complementary

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



22.6271, 0.3993, 0.3837



19.6212, 0.2444, 0.2662

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.



22.6271, 0.2526, 0.2559



22.6271, 0.3993, 0.3837



22.6271, 0.2312, 0.2983

Square

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



22.6271, 0.3993, 0.3837



22.6271, 0.2860, 0.3845



22.6271, 0.2321, 0.2682



22.6271, 0.3357, 0.2816

Rectangle

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



22.6271, 0.3993, 0.3837



22.6271, 0.3457, 0.4116



22.6271, 0.2321, 0.2682



22.6271, 0.2758, 0.2576

Sweetspot

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



22.6282, 0.3993, 0.3837



56.0328, 0.3342, 0.3448



16.2924, 0.3654, 0.2716



12.0350, 0.3379, 0.3474



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.



22.6282, 0.3993, 0.3837



37.3531, 0.4232, 0.3946



32.9419, 0.3769, 0.4325



7.1517, 0.3273, 0.3399



10.1296, 0.5417, 0.4081



0.2656, 0.4835, 0.4543

Inverse Universe

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



19.6212, 0.2444, 0.2662



31.1976, 0.2303, 0.2499



12.2194, 0.2332, 0.1991



6.9706, 0.2988, 0.3179



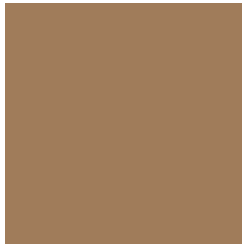
6.7927, 0.1794, 0.1658



0.2060, 0.1989, 0.2358

Previews

White Background



This preview shows how the Yxy color 22.6271, 0.3993, 0.3837 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 22.6271, 0.3993, 0.3837 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 22.6271, 0.3993, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 22.6271, 0.3993, 0.3837.



This preview shows how white text looks on a background with the Yxy color 22.6271, 0.3993, 0.3837.

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

22.6271, 0.3993, 0.3837

Protanopia

22.6856, 0.3673, 0.3953

Deuteranopia

22.5735, 0.3948, 0.3861



Tritanopia

22.6447, 0.3590, 0.3150

Trichromacy



Original Color

22.6271, 0.3993, 0.3837

Protanomaly

22.5069, 0.3790, 0.3902

Deuteranomaly

22.6745, 0.3961, 0.3858

Tritanomaly

22.6762, 0.3749, 0.3403

Monochromacy



Original Color

22.6271, 0.3993, 0.3837

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.4501, 0.3432, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6271, 0.3993, 0.3837 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(160, 124, 90)` looks like.

```
.text, #text, p{  
    color:rgb(160, 124, 90)  
}
```

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(160, 124, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 124, 90) }
```

Border

The CSS property to change the border of an element to Yxy 22.6271, 0.3993, 0.3837 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(160, 124, 90) }
```

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

```
.border{ border-color:rgb(160, 124, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 124, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 124, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 124, 90);  
box-shadow:4px 4px 4px 4px rgb(160, 124,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6271, 0.3993, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 124, 90) }
```

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

```
.background{ background-color: rgb(160,  
124, 90) }
```

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