

Converting Colors

$Y_{xy}(22.7645, 0.4104, 0.3808)$

Have a look what the booklet for
Yxy(22.7645, 0.4104, 0.3808)
contains.

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Color

Yxy(22.7473, 0.4096, 0.3805)

Conversions

Conversions Part 1

Format	Color
Hex	A67A59
RGB	166, 122, 89
RGB Percent	65%, 48%, 35%
CMY	0.3490, 0.5215, 0.6510
CMYK	0.00, 0.26, 0.46, 0.35
HSL	26°, 30%, 50%
HSV	26°, 46%, 65%
XYZ	24.4870, 22.7473, 12.5484
YIQ	131.3940, 36.8170, -0.9350

Conversions

Conversions Part 2

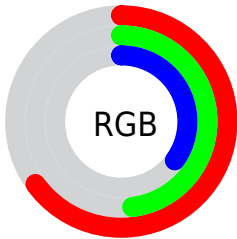
Format	Color
R_{YB}	166, 147, 89
Decimal	10910297
CIE _{Lab}	54.81, 12.93, 24.76
CIE _{LCh}	55, 27.934, 62.421
Yxy	22.7473, 0.4096, 0.3805
Android (android.graphics.Color)	4289100377 (0xFFA67A59)
YUV	131.3940, -20.9002, 30.3495
Hunter-Lab	47.6941, 8.1802, 17.7866

Details

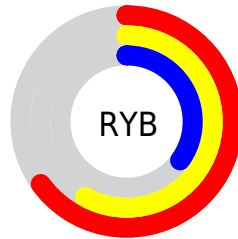
The Yxy color **22.7473, 0.4096, 0.3805** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.6435, 0.2415, 0.2697**, and the grayscale version is **22.9118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8242, 0.3892, 0.3706**, and **8.3842, 0.4463, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **20.2842, 0.4380, 0.3904**, and if you desaturate by 10%, it is **25.5027, 0.3836, 0.3694**.

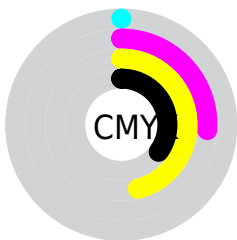
Distribution



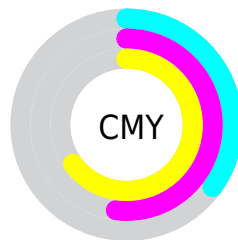
- Red (65%)
- Green (48%)
- Blue (35%)



- Red (65%)
- Yellow (58%)
- Blue (35%)



- Cyan (0%)
- Magenta (26%)
- Yellow (46%)
- Black (35%)



- Cyan (35%)
- Magenta (52%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7473, 0.4096, 0.3805 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 22.7473, 0.4096, 0.3805 by changing the saturation by 10% instead.


 22.7473, 0.4096,
0.3805


 22.7473, 0.4096,
0.3805


266.4244, 0.3554,
0.3537


 14.4070, 0.4251,
0.3871


 47.9781, 0.3884,
0.3707

 8.4043, 0.4461,
0.3951


 65.6373, 0.3809,
0.3670


 4.3547, 0.4756,
0.4045

 87.1717, 0.3748,
0.3639

 1.8739, 0.5497,
0.4376

 112.9657, 0.3696,
0.3613

 0.5326, 0.6068,
0.3932

 143.4035, 0.3652,
0.3590

 0.0000, 0.0000,
0.0000

178.8696, 0.3615,

0.3570

219.7485, 0.3582,
0.3553

■ 22.7473, 0.4096,
0.3805

■ 22.7473, 0.4096,
0.3805

■ 20.2842, 0.4380,
0.3904

■ 25.5027, 0.3836,
0.3694

■ 18.0993, 0.4681,
0.3980

■ 28.5572, 0.3605,
0.3579

■ 16.1821, 0.4984,
0.4021


■ 31.9213, 0.3403,
0.3465

■ 14.5200, 0.5269,
0.4016

■ 35.6043, 0.3227,
0.3356

■ 13.0977, 0.5515,
0.3959

■ 39.6147, 0.3075,
0.3254

 12.6355, 0.5601,
0.3934

 43.9608, 0.2944,
0.3159

 48.6507, 0.2830,
0.3072

 53.6920, 0.2733,
0.2992

 59.0922, 0.2648,
0.2919

Harmonies

Analogous

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



22.7473, 0.4064, 0.3421



22.7473, 0.4096, 0.3805



22.7473, 0.3851, 0.4100

Triad

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



22.7473, 0.4096, 0.3805



22.7473, 0.2516, 0.3529



22.7473, 0.2780, 0.2534

Complementary

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



22.7473, 0.4096, 0.3805



21.6435, 0.2415, 0.2697

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.



22.7473, 0.2415, 0.2512



22.7473, 0.4096, 0.3805



22.7473, 0.2272, 0.3042

Square

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



22.7473, 0.4096, 0.3805



22.7473, 0.2931, 0.3975



22.7473, 0.2238, 0.2681



22.7473, 0.3269, 0.2722

Rectangle

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



22.7473, 0.4096, 0.3805



22.7473, 0.3578, 0.4187



22.7473, 0.2238, 0.2681



22.7473, 0.2641, 0.2506

Sweetspot

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



22.7484, 0.4096, 0.3805



59.3150, 0.3363, 0.3441



16.9676, 0.3623, 0.2606



12.9723, 0.3402, 0.3465



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.



22.7484, 0.4096, 0.3805



36.5445, 0.4400, 0.3910



33.8219, 0.3837, 0.4323



8.0515, 0.3275, 0.3387



9.8884, 0.5586, 0.3947



0.3429, 0.5021, 0.4395

Inverse Universe

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



21.6435, 0.2415, 0.2697



34.2519, 0.2264, 0.2530



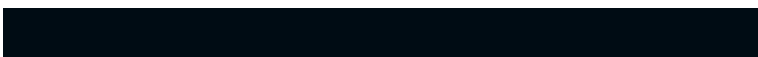
13.1338, 0.2290, 0.1988



7.9851, 0.2987, 0.3191



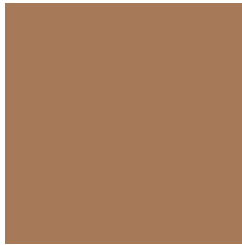
8.5502, 0.1847, 0.1848



0.3065, 0.1994, 0.2376

Previews

White Background



This preview shows how the Yxy color 22.7473, 0.4096, 0.3805 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 22.7473, 0.4096, 0.3805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

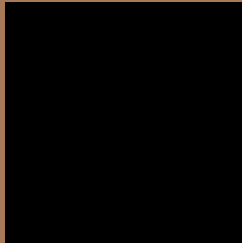
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7473, 0.4096, 0.3805

Background



This preview shows how black text looks on a background with the Yxy color 22.7473, 0.4096, 0.3805.



This preview shows how white text looks on a background with the Yxy color 22.7473, 0.4096, 0.3805.

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

22.7473, 0.4096, 0.3805

Protanopia

22.7737, 0.3685, 0.3950

Deuteranopia

22.7944, 0.3965, 0.3908



Tritanopia

22.6640, 0.3686, 0.3153

Trichromacy



Original Color

22.7473, 0.4096, 0.3805

Protanomaly

22.7904, 0.3828, 0.3893

Deuteranomaly

22.8454, 0.4010, 0.3883

Tritanomaly

22.7107, 0.3835, 0.3385

Monochromacy



Original Color

22.7473, 0.4096, 0.3805

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.6286, 0.3457, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7473, 0.4096, 0.3805 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, 122, 89)` looks like.

```
.text, #text, p{  
    color:rgb(166, 122, 89)  
}
```

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, 122, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 122, 89) }
```

Border

The CSS property to change the border of an element to Yxy 22.7473, 0.4096, 0.3805 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, 122, 89) }
```

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

```
.border{ border-color:rgb(166, 122, 89) }
```

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

Here you see how a box with a 4 pixel rgb(166, 122, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 122, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 122, 89);  
box-shadow:4px 4px 4px 4px rgb(166, 122,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7473, 0.4096, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 122, 89) }
```

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

```
.background{ background-color: rgb(166,  
122, 89) }
```

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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