

Converting Colors

$Y_{xy}(22.3062, 0.4109, 0.3839)$

Have a look what the booklet for
Yxy(22.3062, 0.4109, 0.3839)
contains.

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Color

Yxy(22.2391, 0.4115, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	A47956
RGB	164, 121, 86
RGB Percent	64%, 47%, 34%
CMY	0.3568, 0.5255, 0.6627
CMYK	0.00, 0.26, 0.48, 0.36
HSL	27°, 31%, 49%
HSV	27°, 48%, 64%
XYZ	23.8317, 22.2391, 11.8435
YIQ	129.8670, 36.8630, -1.7690

Conversions

Conversions Part 2

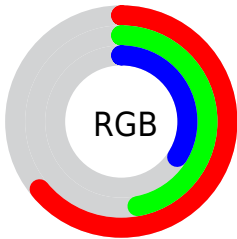
Format	Color
RYB	164, 149, 86
Decimal	10778966
CIELab	54.28, 12.36, 25.70
CIElCh	54, 28.519, 64.318
Yxy	22.2391, 0.4115, 0.3840
Android (android.graphics.Color)	4288969046 (0xFFA47956)
YUV	129.8670, -21.6264, 29.9346
Hunter-Lab	47.1584, 7.6789, 18.1206

Details

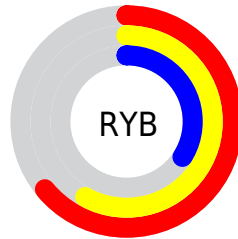
The Yxy color **22.2391, 0.4115, 0.3840** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.3749, 0.2394, 0.2650**, and the grayscale version is **22.3432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0369, 0.3905, 0.3732**, and **8.1029, 0.4493, 0.3987** is the 20% darker color. If you saturate the color by 10%, you get **19.9084, 0.4395, 0.3942**, and if you desaturate by 10%, it is **24.8390, 0.3858, 0.3725**.

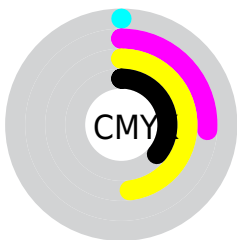
Distribution



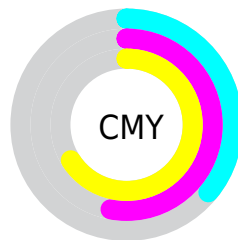
- Red (64%)
- Green (47%)
- Blue (34%)



- Red (64%)
- Yellow (58%)
- Blue (34%)



- Cyan (0%)
- Magenta (26%)
- Yellow (48%)
- Black (36%)





- Cyan (36%)
- Magenta (53%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2391, 0.4115, 0.3840 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 22.2391, 0.4115, 0.3840 by changing the saturation by 10% instead.


 22.2391, 0.4115,
0.3840


 22.2391, 0.4115,
0.3840


263.7924, 0.3561,
0.3553


 14.0327, 0.4273,
0.3911


 47.1409, 0.3899,
0.3735

 8.1434, 0.4487,
0.3997


 64.6050, 0.3822,
0.3695

 4.1868, 0.4787,
0.4098

 85.9238, 0.3759,
0.3662

 1.7786, 0.5549,
0.4451

 111.4818, 0.3706,
0.3633

 0.4738, 0.6135,
0.3865

 141.6632, 0.3662,
0.3609

 0.0000, 0.0000,
0.0000

176.8525, 0.3623,

0.3588

217.4341, 0.3590,
0.3569

■ 22.2391, 0.4115,
0.3840

■ 22.2391, 0.4115,
0.3840

■ 19.9084, 0.4395,
0.3942

■ 24.8390, 0.3858,
0.3725

■ 17.8337, 0.4688,
0.4019

■ 27.7141, 0.3627,
0.3605

■ 16.0056, 0.4980,
0.4059

■ 30.8741, 0.3423,
0.3486

■ 14.4123, 0.5251,
0.4052

■ 34.3274, 0.3246,
0.3372

■ 13.0383, 0.5487,
0.3996

■ 38.0819, 0.3092,
0.3264

■ 12.7318, 0.5544,
0.3980

■ 42.1452, 0.2958,
0.3164

■ 46.5245, 0.2843,
0.3072

■ 51.2269, 0.2743,
0.2988

■ 56.2592, 0.2656,
0.2910

Harmonies

Analogous

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



22.2391, 0.4103, 0.3448



22.2391, 0.4115, 0.3840



22.2391, 0.3847, 0.4135

Triad

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



22.2391, 0.4115, 0.3840



22.2391, 0.2477, 0.3503



22.2391, 0.2799, 0.2522

Complementary

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



22.2391, 0.4115, 0.3840



20.3749, 0.2394, 0.2650

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.



22.2391, 0.2415, 0.2487



22.2391, 0.4115, 0.3840



22.2391, 0.2240, 0.3005

Square

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



22.2391, 0.4115, 0.3840



22.2391, 0.2894, 0.3973



22.2391, 0.2220, 0.2647



22.2391, 0.3306, 0.2724

Rectangle

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



22.2391, 0.4115, 0.3840



22.2391, 0.3559, 0.4216



22.2391, 0.2220, 0.2647



22.2391, 0.2653, 0.2490

Sweetspot

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



22.2402, 0.4115, 0.3840



58.0272, 0.3362, 0.3448



16.1712, 0.3661, 0.2609



12.4112, 0.3400, 0.3472



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.2402, 0.4115, 0.3840



35.9199, 0.4409, 0.3946



33.3047, 0.3846, 0.4362



7.5844, 0.3274, 0.3391



9.8511, 0.5528, 0.3993



0.3009, 0.4942, 0.4458

Inverse Universe

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



20.3749, 0.2394, 0.2650



32.1013, 0.2243, 0.2477



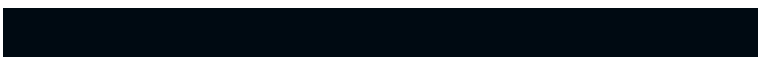
12.1796, 0.2262, 0.1927



7.4773, 0.2987, 0.3187



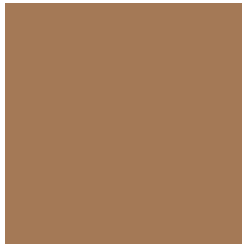
7.8196, 0.1829, 0.1783



0.2570, 0.1997, 0.2388

Previews

White Background



This preview shows how the Yxy color 22.2391, 0.4115, 0.3840 looks on a white background.

Color Contrast Check

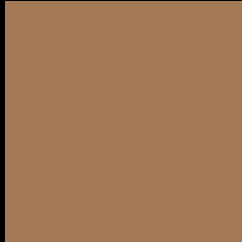
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2391, 0.4115, 0.3840 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 22.2391, 0.4115, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 22.2391, 0.4115, 0.3840.



This preview shows how white text looks on a background with the Yxy color 22.2391, 0.4115, 0.3840.

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

22.2391, 0.4115, 0.3840

Protanopia

22.3662, 0.3712, 0.3989

Deuteranopia

22.1391, 0.4001, 0.3927



Tritanopia

22.1869, 0.3677, 0.3152

Trichromacy



Original Color

22.2391, 0.4115, 0.3840

Protanomaly

22.2896, 0.3844, 0.3932

Deuteranomaly

22.1927, 0.4047, 0.3902

Tritanomaly

22.2116, 0.3840, 0.3402

Monochromacy



Original Color

22.2391, 0.4115, 0.3840

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.1444, 0.3459, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2391, 0.4115, 0.3840 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(164, 121, 86)` looks like.

```
.text, #text, p{  
    color:rgb(164, 121, 86)  
}
```

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(164, 121, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 121, 86) }
```

Border

The CSS property to change the border of an element to Yxy 22.2391, 0.4115, 0.3840 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(164, 121, 86) }
```

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

```
.border{ border-color:rgb(164, 121, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 121, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 121, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 121, 86);  
box-shadow:4px 4px 4px 4px rgb(164, 121,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2391, 0.4115, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 121, 86) }
```

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

```
.background{ background-color: rgb(164,  
121, 86) }
```

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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