

Converting Colors

$Y_{xy}(22.1375, 0.4137, 0.3886)$

Have a look what the booklet for
Yxy(22.1375, 0.4137, 0.3886)
contains.

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Color

Yxy(22.0858, 0.4138, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	A37953
RGB	163, 121, 83
RGB Percent	64%, 47%, 33%
CMY	0.3609, 0.5254, 0.6746
CMYK	0.00, 0.26, 0.49, 0.36
HSL	29°, 33%, 48%
HSV	29°, 49%, 64%
XYZ	23.4999, 22.0858, 11.2048
YIQ	129.2260, 37.2300, -2.9140

Conversions

Conversions Part 2

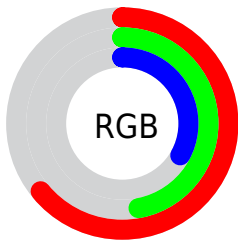
Format	Color
R_{YB}	163, 155, 83
Decimal	10713427
CIE _{Lab}	54.12, 11.59, 27.17
CIE _{LCh}	54, 29.538, 66.905
Yxy	22.0858, 0.4138, 0.3889
Android (android.graphics.Color)	4288903507 (0xFFA37953)
YUV	129.2260, -22.7894, 29.6198
Hunter-Lab	46.9955, 7.0159, 18.7609

Details

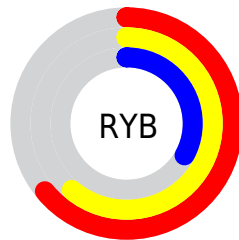
The Yxy color **22.0858, 0.4138, 0.3889** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.1379, 0.2364, 0.2584**, and the grayscale version is **22.1079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7962, 0.3922, 0.3769**, and **8.0195, 0.4523, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **19.8768, 0.4410, 0.3994**, and if you desaturate by 10%, it is **24.5404, 0.3884, 0.3769**.

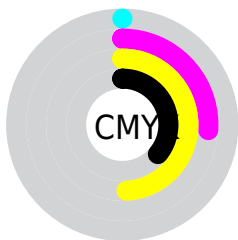
Distribution



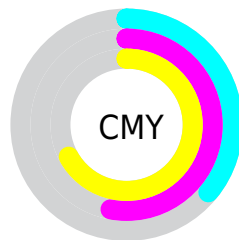
- Red (64%)
- Green (47%)
- Blue (33%)



- Red (64%)
- Yellow (61%)
- Blue (33%)



- Cyan (0%)
- Magenta (26%)
- Yellow (49%)
- Black (36%)





- Cyan (36%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0858, 0.4138, 0.3889 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 22.0858, 0.4138, 0.3889 by changing the saturation by 10% instead.


 22.0858, 0.4138,
0.3889


 22.0858, 0.4138,
0.3889


262.9940, 0.3572,
0.3575


 13.9200, 0.4299,
0.3966


 46.8878, 0.3918,
0.3774


 8.0650, 0.4515,
0.4061


 64.2927, 0.3839,
0.3731


 4.1366, 0.4814,
0.4170

 85.5461, 0.3775,
0.3694

 1.7503, 0.5512,
0.4488

 111.0323, 0.3721,
0.3663

 0.4559, 0.6110,
0.3890

 141.1359, 0.3675,
0.3637

 0.0000, 0.0000,
0.0000

176.2411, 0.3636,

0.3613

216.7323, 0.3602,
0.3593

■ 22.0858, 0.4138,
0.3889

■ 22.0858, 0.4138,
0.3889

■ 19.8768, 0.4410,
0.3994

■ 24.5404, 0.3884,
0.3769

■ 17.9012, 0.4692,
0.4072

■ 27.2457, 0.3655,
0.3643

■ 16.1503, 0.4969,
0.4112

■ 30.2108, 0.3450,
0.3517

■ 14.6133, 0.5222,
0.4103

■ 33.4431, 0.3271,
0.3395

■ 13.2737, 0.5444,
0.4048

■ 36.9497, 0.3114,
0.3280

■ 13.1592, 0.5465,
0.4043

■ 40.7376, 0.2977,
0.3172

■ 44.8134, 0.2859,
0.3073

■ 49.1833, 0.2756,
0.2982

■ 53.8536, 0.2666,
0.2899

Harmonies

Analogous

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



22.0858, 0.4154, 0.3487



22.0858, 0.4138, 0.3889



22.0858, 0.3837, 0.4183

Triad

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



22.0858, 0.4138, 0.3889



22.0858, 0.2424, 0.3463



22.0858, 0.2828, 0.2508

Complementary

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



22.0858, 0.4138, 0.3889



19.1379, 0.2364, 0.2584

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.



22.0858, 0.2417, 0.2455



22.0858, 0.4138, 0.3889



22.0858, 0.2199, 0.2953

Square

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



22.0858, 0.4138, 0.3889



22.0858, 0.2842, 0.3966



22.0858, 0.2198, 0.2600



22.0858, 0.3359, 0.2730

Rectangle

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



22.0858, 0.4138, 0.3889



22.0858, 0.3530, 0.4254



22.0858, 0.2198, 0.2600



22.0858, 0.2673, 0.2470

Sweetspot

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



22.0869, 0.4138, 0.3889



56.2639, 0.3379, 0.3470



15.4663, 0.3727, 0.2628



12.3804, 0.3416, 0.3494



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.



22.0869, 0.4138, 0.3889



35.2294, 0.4439, 0.4003



33.6604, 0.3849, 0.4424



7.6154, 0.3274, 0.3397



10.3193, 0.5450, 0.4054



0.3114, 0.4893, 0.4497

Inverse Universe

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



19.1379, 0.2364, 0.2584



29.3021, 0.2204, 0.2390



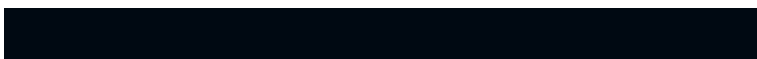
11.0821, 0.2223, 0.1828



7.4461, 0.2987, 0.3181



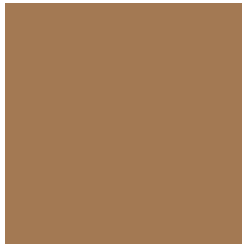
7.2595, 0.1803, 0.1691



0.2465, 0.1980, 0.2329

Previews

White Background



This preview shows how the Yxy color 22.0858, 0.4138, 0.3889 looks on a white background.

Color Contrast Check

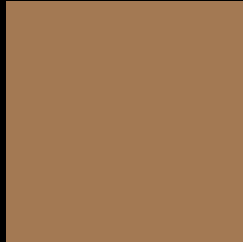
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0858, 0.4138, 0.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

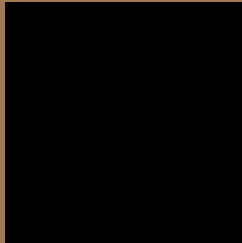
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0858, 0.4138, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 22.0858, 0.4138, 0.3889.



This preview shows how white text looks on a background with the Yxy color 22.0858, 0.4138, 0.3889.

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

22.0858, 0.4138, 0.3889

Protanopia

22.2999, 0.3756, 0.4057

Deuteranopia

22.0924, 0.4036, 0.3974



Tritanopia

22.1869, 0.3677, 0.3152

Trichromacy



Original Color

22.0858, 0.4138, 0.3889

Protanomaly

22.2242, 0.3890, 0.3998

Deuteranomaly

22.1460, 0.4083, 0.3948

Tritanomaly

22.1896, 0.3854, 0.3418

Monochromacy



Original Color

22.0858, 0.4138, 0.3889

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7543, 0.3473, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0858, 0.4138, 0.3889 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(163, 121, 83)` looks like.

```
.text, #text, p{  
    color:rgb(163, 121, 83)  
}
```

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(163, 121, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 121, 83) }
```

Border

The CSS property to change the border of an element to Yxy 22.0858, 0.4138, 0.3889 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(163, 121, 83) }
```

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

```
.border{ border-color:rgb(163, 121, 83) }
```

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

Here you see how a box with a 4 pixel rgb(163, 121, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 121, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 121, 83);  
box-shadow:4px 4px 4px 4px rgb(163, 121,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0858, 0.4138, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 121, 83) }
```

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

```
.background{ background-color: rgb(163,  
121, 83) }
```

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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