

Converting Colors

$Y_{xy}(22.1226, 0.4156, 0.3910)$

Have a look what the booklet for
Yxy(22.1226, 0.4156, 0.3910)
contains.

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Color

Yxy(22.0705, 0.4150, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	A37952
RGB	163, 121, 82
RGB Percent	64%, 47%, 32%
CMY	0.3607, 0.5255, 0.6783
CMYK	0.00, 0.26, 0.50, 0.36
HSL	29°, 33%, 48%
HSV	29°, 50%, 64%
XYZ	23.4672, 22.0705, 11.0098
YIQ	129.1120, 37.5510, -3.2250

Conversions

Conversions Part 2

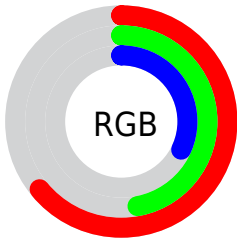
Format	Color
R_{YB}	163, 157, 82
Decimal	10713426
CIE _{Lab}	54.10, 11.51, 27.69
CIE _{LCh}	54, 29.987, 67.427
Yxy	22.0705, 0.4150, 0.3903
Android (android.graphics.Color)	4288903506 (0xFFA37952)
YUV	129.1120, -23.2262, 29.7198
Hunter-Lab	46.9793, 6.9512, 18.9906

Details

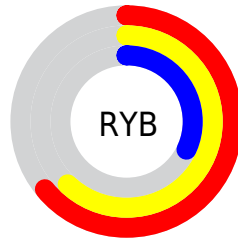
The Yxy color $22.0705, 0.4150, 0.3903$ is a dark color, and the websafe version is hex 996633 . A complement of this color would be $18.8640, 0.2353, 0.2565$, and the grayscale version is $22.0688, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.7687, 0.3931, 0.3781$, and $8.0133, 0.4539, 0.4068$ is the 20% darker color. If you saturate the color by 10%, you get $19.8861, 0.4421, 0.4008$, and if you desaturate by 10%, it is $24.4962, 0.3897, 0.3782$.

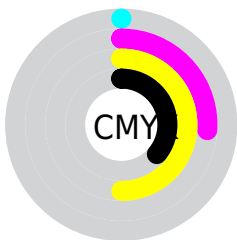
Distribution



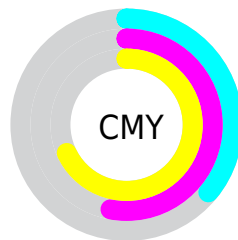
- Red (64%)
- Green (47%)
- Blue (32%)



- Red (64%)
- Yellow (62%)
- Blue (32%)



- Cyan (0%)
- Magenta (26%)
- Yellow (50%)
- Black (36%)





- Cyan (36%)
- Magenta (53%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0705, 0.4150, 0.3903 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 22.0705, 0.4150, 0.3903 by changing the saturation by 10% instead.


 22.0705, 0.4150,
0.3903


 22.0705, 0.4150,
0.3903


262.9142, 0.3578,
0.3582


 13.9087, 0.4312,
0.3982


 46.8625, 0.3927,
0.3785

 8.0572, 0.4529,
0.4078


 64.2615, 0.3848,
0.3741


 4.1316, 0.4830,
0.4188

 85.5083, 0.3783,
0.3704

 1.7474, 0.5509,
0.4491

 110.9874, 0.3728,
0.3672

 0.4541, 0.6108,
0.3892

 141.0832, 0.3682,
0.3645

 0.0000, 0.0000,
0.0000

176.1800, 0.3642,

0.3621

216.6622, 0.3608,
0.3600

■ 22.0705, 0.4150,
0.3903

■ 22.0705, 0.4150,
0.3903

■ 19.8861, 0.4421,
0.4008

■ 24.4962, 0.3897,
0.3782

■ 17.9309, 0.4701,
0.4086

■ 27.1683, 0.3666,
0.3655

■ 16.1964, 0.4973,
0.4124

■ 30.0956, 0.3461,
0.3527

■ 14.6720, 0.5222,
0.4113

■ 33.2855, 0.3281,
0.3403

■ 13.3400, 0.5441,
0.4058

■ 36.7451, 0.3122,
0.3286

■ 13.3006, 0.5448,
0.4056

■ 40.4810, 0.2985,
0.3177

■ 44.4998, 0.2865,
0.3076

■ 48.8076, 0.2761,
0.2984

■ 53.4107, 0.2670,
0.2899

Harmonies

Analogous

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



22.0705, 0.4172, 0.3496



22.0705, 0.4150, 0.3903



22.0705, 0.3840, 0.4200

Triad

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



22.0705, 0.4150, 0.3903



22.0705, 0.2407, 0.3456



22.0705, 0.2832, 0.2500

Complementary

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



22.0705, 0.4150, 0.3903



18.8640, 0.2353, 0.2565

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.



22.0705, 0.2412, 0.2443



22.0705, 0.4150, 0.3903



22.0705, 0.2184, 0.2939

Square

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



22.0705, 0.4150, 0.3903



22.0705, 0.2828, 0.3970



22.0705, 0.2187, 0.2586



22.0705, 0.3372, 0.2727

Rectangle

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



22.0705, 0.4150, 0.3903



22.0705, 0.3526, 0.4269



22.0705, 0.2187, 0.2586



22.0705, 0.2674, 0.2460

Sweetspot

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



22.0716, 0.4150, 0.3903



56.3476, 0.3379, 0.3472



15.3119, 0.3738, 0.2620



12.4014, 0.3416, 0.3497



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.



22.0716, 0.4150, 0.3903



35.0833, 0.4461, 0.4021



33.6477, 0.3857, 0.4436



7.6221, 0.3273, 0.3398



10.4254, 0.5433, 0.4068



0.3136, 0.4882, 0.4505

Inverse Universe

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



18.8640, 0.2353, 0.2565



28.6358, 0.2187, 0.2359



10.8927, 0.2210, 0.1807



7.4393, 0.2987, 0.3179



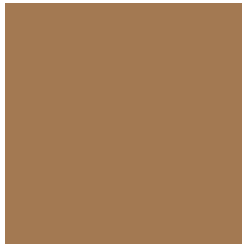
7.1420, 0.1798, 0.1672



0.2442, 0.1977, 0.2315

Previews

White Background



This preview shows how the Yxy color 22.0705, 0.4150, 0.3903 looks on a white background.

Color Contrast Check

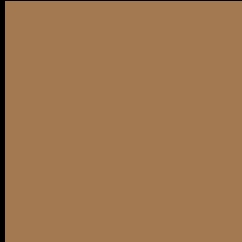
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0705, 0.4150, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

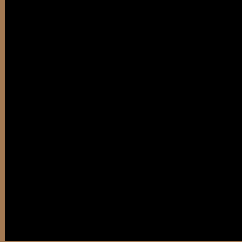
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0705, 0.4150, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 22.0705, 0.4150, 0.3903.



This preview shows how white text looks on a background with the Yxy color 22.0705, 0.4150, 0.3903.

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

22.0705, 0.4150, 0.3903

Protanopia

22.2839, 0.3767, 0.4074

Deuteranopia

22.1775, 0.4061, 0.3985



Tritanopia

22.1615, 0.3690, 0.3167

Trichromacy



Original Color

22.0705, 0.4150, 0.3903

Protanomaly

22.2084, 0.3901, 0.4014

Deuteranomaly

22.1309, 0.4094, 0.3963

Tritanomaly

22.1680, 0.3867, 0.3434

Monochromacy



Original Color

22.0705, 0.4150, 0.3903

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 22.0705, 0.4150, 0.3903 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(163, 121, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 121, 82) }
```

Border

The CSS property to change the border of an element to Yxy 22.0705, 0.4150, 0.3903 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, 82) }
```

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

```
.border{ border-color:rgb(163, 121, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 121, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 121, 82);  
box-shadow:4px 4px 4px 4px rgb(163, 121,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0705, 0.4150, 0.3903 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, 82) }
```

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

```
.background{ background-color: rgb(163,  
121, 82) }
```

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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