

Converting Colors

$Y_{xy}(22.6506, 0.4189, 0.3898)$

Have a look what the booklet for
Yxy(22.6506, 0.4189, 0.3898)
contains.

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Color

Yxy(22.7438, 0.4192, 0.3905)

Conversions

Conversions Part 1

Format	Color
Hex	A77A52
RGB	167, 122, 82
RGB Percent	65%, 48%, 32%
CMY	0.3452, 0.5215, 0.6785
CMYK	0.00, 0.27, 0.51, 0.35
HSL	28°, 34%, 49%
HSV	28°, 51%, 65%
XYZ	24.4154, 22.7438, 11.0836
YIQ	130.8950, 39.6600, -2.9000

Conversions

Conversions Part 2

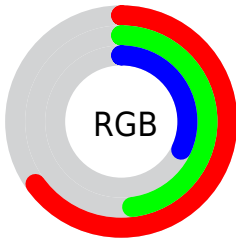
Format	Color
R_{YB}	167, 158, 82
Decimal	10975826
CIE _{Lab}	54.81, 12.64, 28.70
CIE _{LCh}	55, 31.358, 66.233
Yxy	22.7438, 0.4192, 0.3905
Android (android.graphics.Color)	4289165906 (0xFFA77A52)
YUV	130.8950, -24.1052, 31.6641
Hunter-Lab	47.6905, 7.9257, 19.6039

Details

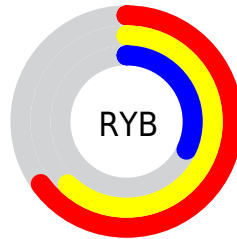
The Yxy color **22.7438, 0.4192, 0.3905** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.7498, 0.2336, 0.2558**, and the grayscale version is **22.7346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7853, 0.3964, 0.3785**, and **8.3372, 0.4576, 0.4066** is the 20% darker color. If you saturate the color by 10%, you get **20.4488, 0.4469, 0.4005**, and if you desaturate by 10%, it is **25.3001, 0.3932, 0.3788**.

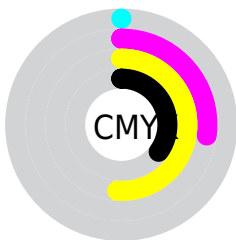
Distribution



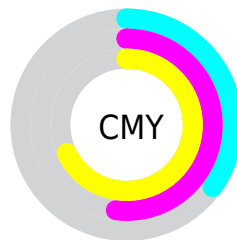
- Red (65%)
- Green (48%)
- Blue (32%)



- Red (65%)
- Yellow (62%)
- Blue (32%)



- Cyan (0%)
- Magenta (27%)
- Yellow (51%)
- Black (35%)




- Cyan (35%)
- Magenta (52%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7438, 0.4192, 0.3905 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 22.7438, 0.4192, 0.3905 by changing the saturation by 10% instead.


 22.7438, 0.4192,
0.3905


 22.7438, 0.4192,
0.3905


266.4064, 0.3599,
0.3587


 14.4044, 0.4358,
0.3981


 47.9723, 0.3962,
0.3790


 8.4025, 0.4580,
0.4072


 65.6302, 0.3880,
0.3746


 4.3536, 0.4884,
0.4173

 87.1632, 0.3813,
0.3709

 1.8732, 0.5553,
0.4447

 112.9555, 0.3756,
0.3677

 0.5322, 0.6048,
0.3952

 143.3915, 0.3708,
0.3650

 0.0000, 0.0000,
0.0000

178.8558, 0.3667,

0.3626

219.7326, 0.3631,
0.3605

■ 22.7438, 0.4192,
0.3905

■ 22.7438, 0.4192,
0.3905

■ 20.4488, 0.4469,
0.4005

■ 25.3001, 0.3932,
0.3788

■ 18.4020, 0.4754,
0.4076

■ 28.1236, 0.3697,
0.3663

■ 16.5938, 0.5030,
0.4106

■ 31.2240, 0.3487,
0.3538

■ 15.0125, 0.5280,
0.4085

■ 34.6094, 0.3302,
0.3416

■ 13.7529, 0.5481,
0.4030

■ 38.2875, 0.3141,
0.3300

■ 42.2659, 0.3000,
0.3192

■ 46.5517, 0.2879,
0.3092

■ 51.1517, 0.2773,
0.3000

■ 56.0726, 0.2681,
0.2916

Harmonies

Analogous

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



22.7438, 0.4203, 0.3483



22.7438, 0.4192, 0.3905



22.7438, 0.3880, 0.4222

Triad

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



22.7438, 0.4192, 0.3905



22.7438, 0.2397, 0.3484



22.7438, 0.2801, 0.2469

Complementary

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



22.7438, 0.4192, 0.3905



19.7498, 0.2336, 0.2558

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.



22.7438, 0.2375, 0.2417



22.7438, 0.4192, 0.3905



22.7438, 0.2158, 0.2944

Square

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



22.7438, 0.4192, 0.3905



22.7438, 0.2837, 0.4014



22.7438, 0.2153, 0.2572



22.7438, 0.3357, 0.2697

Rectangle

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



22.7438, 0.4192, 0.3905



22.7438, 0.3559, 0.4305



22.7438, 0.2153, 0.2572



22.7438, 0.2640, 0.2431

Sweetspot

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



22.7449, 0.4192, 0.3905



59.2839, 0.3380, 0.3468



15.7870, 0.3761, 0.2604



12.9924, 0.3417, 0.3493



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.



22.7449, 0.4192, 0.3905



36.1666, 0.4504, 0.4015



35.4257, 0.3875, 0.4463



8.1031, 0.3274, 0.3397



10.6234, 0.5465, 0.4042



0.3615, 0.4943, 0.4457

Inverse Universe

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



19.7498, 0.2336, 0.2558



30.1777, 0.2177, 0.2361



11.0519, 0.2183, 0.1763



7.9329, 0.2987, 0.3181



7.6192, 0.1807, 0.1704



0.2866, 0.1967, 0.2280

Previews

White Background



This preview shows how the Yxy color 22.7438, 0.4192, 0.3905 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 22.7438, 0.4192, 0.3905 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 22.7438, 0.4192, 0.3905

Background



This preview shows how black text looks on a background with the Yxy color 22.7438, 0.4192, 0.3905.



This preview shows how white text looks on a background with the Yxy color 22.7438, 0.4192, 0.3905.

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

22.7438, 0.4192, 0.3905

Protanopia

22.7441, 0.3776, 0.4065

Deuteranopia

22.8867, 0.4070, 0.4008



Tritanopia

22.8612, 0.3724, 0.3170

Trichromacy



Original Color

22.7438, 0.4192, 0.3905

Protanomaly

22.7696, 0.3921, 0.4002

Deuteranomaly

22.9427, 0.4116, 0.3981

Tritanomaly

22.8438, 0.3912, 0.3446

Monochromacy



Original Color

22.7438, 0.4192, 0.3905

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5599, 0.3493, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7438, 0.4192, 0.3905 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(167, 122, 82)` looks like.

```
.text, #text, p{  
    color:rgb(167, 122, 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(167, 122, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 122, 82) }
```

Border

The CSS property to change the border of an element to Yxy 22.7438, 0.4192, 0.3905 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(167, 122, 82) }
```

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

```
.border{ border-color:rgb(167, 122, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 122, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 122, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 122, 82);  
box-shadow:4px 4px 4px 4px rgb(167, 122,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7438, 0.4192, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 122, 82) }
```

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

```
.background{ background-color: rgb(167,  
122, 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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