

Converting Colors

$Y_{xy}(22.8221, 0.4513, 0.4089)$

Have a look what the booklet for
Yxy(22.8221, 0.4513, 0.4089)
contains.

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Color

Yxy(22.9058, 0.4517, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	AF783F
RGB	175, 120, 63
RGB Percent	69%, 47%, 25%
CMY	0.3138, 0.5294, 0.7529
CMYK	0.00, 0.31, 0.64, 0.31
HSL	31°, 47%, 47%
HSV	31°, 64%, 69%
XYZ	25.2910, 22.9058, 7.7939
YIQ	129.9470, 51.0770, -6.0670

Conversions

Conversions Part 2

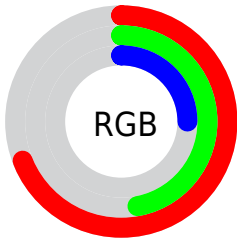
Format	Color
R_{YB}	171, 175, 63
Decimal	11499583
CIE _{Lab}	54.98, 15.67, 39.33
CIE _{LCh}	55, 42.336, 68.276
Yxy	22.9058, 0.4517, 0.4091
Android (android.graphics.Color)	4289689663 (0xFFAF783F)
YUV	129.9470, -33.0049, 39.5115
Hunter-Lab	47.8600, 10.5710, 23.8467

Details

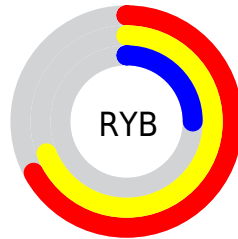
The Yxy color **22.9058, 0.4517, 0.4091** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.1082, 0.2130, 0.2240**, and the grayscale version is **22.4101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1897, 0.4233, 0.3948**, and **8.4629, 0.4981, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **20.7663, 0.4784, 0.4158**, and if you desaturate by 10%, it is **25.2952, 0.4250, 0.3990**.

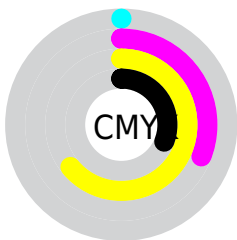
Distribution



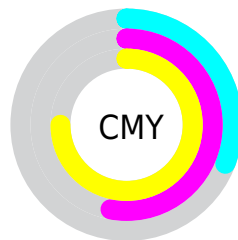
- Red (69%)
- Green (47%)
- Blue (25%)



- Red (67%)
- Yellow (69%)
- Blue (25%)



- Cyan (0%)
- Magenta (31%)
- Yellow (64%)
- Black (31%)





- Cyan (31%)
- Magenta (53%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9058, 0.4517, 0.4091 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 22.9058, 0.4517, 0.4091 by changing the saturation by 10% instead.


 22.9058, 0.4517,
0.4091


 22.9058, 0.4517,
0.4091


267.2408, 0.3758,
0.3697


 14.5240, 0.4716,
0.4171


 48.2386, 0.4230,
0.3957

 8.4860, 0.4968,
0.4251


 65.9584, 0.4125,
0.3903


 4.4075, 0.5366,
0.4375

 87.5596, 0.4038,
0.3857

 1.9040, 0.5701,
0.4299

 113.4266, 0.3964,
0.3816

 0.5508, 0.6224,
0.3776

 143.9438, 0.3901,
0.3781

 0.0000, 0.0000,
0.0000

 179.4957, 0.3847,

0.3749

220.4665, 0.3799,
0.3722

■ 22.9058, 0.4517,
0.4091

■ 22.9058, 0.4517,
0.4091

■ 20.7663, 0.4784,
0.4158

■ 25.2952, 0.4250,
0.3990

■ 18.8623, 0.5035,
0.4180

■ 27.9412, 0.3995,
0.3868

■ 17.1826, 0.5254,
0.4149

■ 30.8540, 0.3759,
0.3736

■ 16.2681, 0.5375,
0.4114

■ 34.0425, 0.3545,
0.3600

■ 37.5148, 0.3355,
0.3466

■ 41.2786, 0.3188,
0.3339

■ 45.3415, 0.3041,
0.3219

■ 49.7106, 0.2913,
0.3108

■ 54.3928, 0.2802,
0.3005

Harmonies

Analogous

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



22.9058, 0.4587, 0.3542



22.9058, 0.4517, 0.4091



22.9058, 0.4059, 0.4536

Triad

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



22.9058, 0.4517, 0.4091



22.9058, 0.2128, 0.3483



22.9058, 0.2730, 0.2245

Complementary

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



22.9058, 0.4517, 0.4091



17.1082, 0.2130, 0.2240

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.



22.9058, 0.2172, 0.2154



22.9058, 0.4517, 0.4091



22.9058, 0.1858, 0.2760

Square

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



22.9058, 0.4517, 0.4091



22.9058, 0.2676, 0.4254



22.9058, 0.1877, 0.2313



22.9058, 0.3477, 0.2545

Rectangle

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



22.9058, 0.4517, 0.4091



22.9058, 0.3621, 0.4670



22.9058, 0.1877, 0.2313



22.9058, 0.2517, 0.2189

Sweetspot

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



22.9069, 0.4517, 0.4091



63.8119, 0.3454, 0.3537



14.0018, 0.4088, 0.2512



13.8002, 0.3509, 0.3575



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.9069, 0.4517, 0.4091



35.6653, 0.4896, 0.4174



40.1257, 0.4003, 0.4738



8.6639, 0.3274, 0.3406



11.7757, 0.5358, 0.4128



0.4369, 0.4918, 0.4477

Inverse Universe

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



17.1082, 0.2130, 0.2240



24.4564, 0.1951, 0.1958



7.7095, 0.1905, 0.1270



8.3822, 0.2986, 0.3172



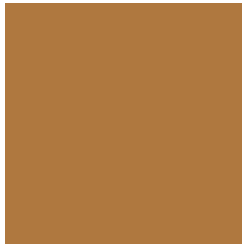
7.0970, 0.1771, 0.1575



0.3072, 0.1927, 0.2138

Previews

White Background



This preview shows how the Yxy color 22.9058, 0.4517, 0.4091 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 22.9058, 0.4517, 0.4091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

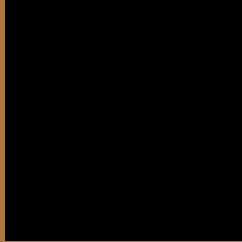
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9058, 0.4517, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 22.9058, 0.4517, 0.4091.



This preview shows how white text looks on a background with the Yxy color 22.9058, 0.4517, 0.4091.

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

22.9058, 0.4517, 0.4091

Protanopia

23.0188, 0.4001, 0.4361

Deuteranopia

23.0560, 0.4319, 0.4249



Tritanopia

22.7991, 0.3882, 0.3160

Trichromacy



Original Color

22.9058, 0.4517, 0.4091

Protanomaly

22.9998, 0.4186, 0.4259

Deuteranomaly

22.9786, 0.4388, 0.4199

Tritanomaly

22.8953, 0.4137, 0.3514

Monochromacy



Original Color

22.9058, 0.4517, 0.4091

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.0733, 0.3609, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9058, 0.4517, 0.4091 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(175, 120, 63)` looks like.

```
.text, #text, p{  
    color:rgb(175, 120, 63)  
}
```

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(175, 120, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 120, 63) }
```

Border

The CSS property to change the border of an element to Yxy 22.9058, 0.4517, 0.4091 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(175, 120, 63) }
```

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

```
.border{ border-color:rgb(175, 120, 63) }
```

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

Here you see how a box with a 4 pixel rgb(175, 120, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 120, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 120, 63);  
box-shadow:4px 4px 4px 4px rgb(175, 120,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9058, 0.4517, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 120, 63) }
```

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

```
.background{ background-color: rgb(175,  
120, 63) }
```

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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