

Converting Colors

$Y_{xy}(22.3500, 0.4312, 0.3776)$

Have a look what the booklet for
Yxy(22.3500, 0.4312, 0.3776)
contains.

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Color

Yxy(22.4766, 0.4310, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	AF7554
RGB	175, 117, 84
RGB Percent	69%, 46%, 33%
CMY	0.3137, 0.5412, 0.6706
CMYK	0.00, 0.33, 0.52, 0.31
HSL	22°, 36%, 51%
HSV	22°, 52%, 69%
XYZ	25.6416, 22.4766, 11.3751
YIQ	130.5800, 45.1610, 2.0330

Conversions

Conversions Part 2

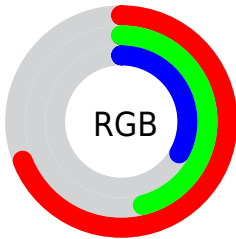
Format	Color
R_{YB}	175, 136, 84
Decimal	11498836
CIE _{Lab}	54.53, 19.07, 27.41
CIE _{LCh}	55, 33.390, 55.166
Yxy	22.4766, 0.4310, 0.3778
Android (android.graphics.Color)	4289688916 (0xFFAF7554)
YUV	130.5800, -22.9639, 38.9563
Hunter-Lab	47.4095, 13.5760, 18.9610

Details

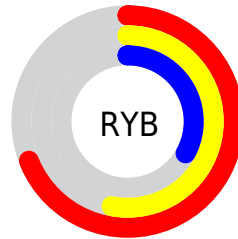
The Yxy color **22.4766, 0.4310, 0.3778** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.3285, 0.2353, 0.2717**, and the grayscale version is **22.6115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4208, 0.4055, 0.3691**, and **8.1961, 0.4749, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **19.7905, 0.4633, 0.3850**, and if you desaturate by 10%, it is **25.5433, 0.4014, 0.3689**.

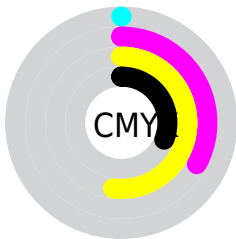
Distribution



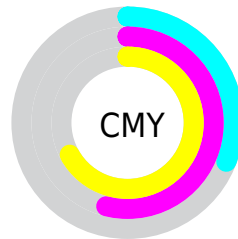
- Red (69%)
- Green (46%)
- Blue (33%)



- Red (69%)
- Yellow (53%)
- Blue (33%)



- Cyan (0%)
- Magenta (33%)
- Yellow (52%)
- Black (31%)



- Cyan (31%)
- Magenta (54%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4766, 0.4310, 0.3778 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 22.4766, 0.4310, 0.3778 by changing the saturation by 10% instead.


 22.4766, 0.4310,
0.3778


 22.4766, 0.4310,
0.3778

265.0252, 0.3647,
0.3537


 14.2075, 0.4498,
0.3830


 47.5325, 0.4052,
0.3694


 8.2651, 0.4751,
0.3886


 65.0880, 0.3960,
0.3661


 4.2651, 0.5103,
0.3935

 86.5079, 0.3884,
0.3633

 1.8229, 0.5879,
0.4121

 112.1764, 0.3821,
0.3608

 0.5014, 0.6536,
0.3464

 142.4780, 0.3768,
0.3587

 0.0000, 0.0000,
0.0000

177.7971, 0.3722,

0.3568

218.5180, 0.3682,
0.3551

■ 22.4766, 0.4310,
0.3778

■ 22.4766, 0.4310,
0.3778

■ 19.7905, 0.4633,
0.3850

■ 25.5433, 0.4014,
0.3689

■ 17.4654, 0.4970,
0.3893

■ 29.0021, 0.3751,
0.3592

■ 15.4853, 0.5298,
0.3894

■ 32.8682, 0.3522,
0.3493

■ 13.8307, 0.5590,
0.3846

■ 37.1550, 0.3326,
0.3398

■ 12.7205, 0.5793,
0.3782

■ 41.8752, 0.3158,
0.3307

■ 47.0408, 0.3014,
0.3223

■ 52.6636, 0.2892,
0.3146

■ 58.7547, 0.2788,
0.3075

■ 65.3248, 0.2698,
0.3010

Harmonies

Analogous

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



22.4766, 0.4192, 0.3319



22.4766, 0.4310, 0.3778



22.4766, 0.4081, 0.4176

Triad

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



22.4766, 0.4310, 0.3778



22.4766, 0.2499, 0.3723



22.4766, 0.2590, 0.2376

Complementary

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



22.4766, 0.4310, 0.3778



24.3285, 0.2353, 0.2717

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.



22.4766, 0.2215, 0.2396



22.4766, 0.4310, 0.3778



22.4766, 0.2162, 0.3115

Square

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



22.4766, 0.4310, 0.3778



22.4766, 0.3022, 0.4222



22.4766, 0.2067, 0.2641



22.4766, 0.3144, 0.2553

Rectangle

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



22.4766, 0.4310, 0.3778



22.4766, 0.3781, 0.4342



22.4766, 0.2067, 0.2641



22.4766, 0.2441, 0.2359

Sweetspot

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



22.4777, 0.4310, 0.3778



63.1615, 0.3406, 0.3438



17.4437, 0.3620, 0.2446



13.6962, 0.3446, 0.3457



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.



22.4777, 0.4310, 0.3778



34.9648, 0.4669, 0.3856



35.3686, 0.3962, 0.4368



8.4730, 0.3278, 0.3373



9.2170, 0.5772, 0.3799



0.3622, 0.5198, 0.4255

Inverse Universe

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



24.3285, 0.2353, 0.2717



38.5555, 0.2214, 0.2568



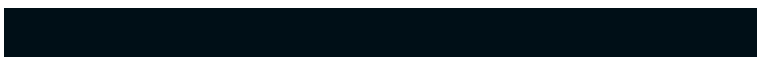
13.6512, 0.2192, 0.1903



8.5762, 0.2986, 0.3206



10.5632, 0.1910, 0.2077



0.3929, 0.2024, 0.2487

Previews

White Background



This preview shows how the Yxy color 22.4766, 0.4310, 0.3778 looks on a white background.

Color Contrast Check

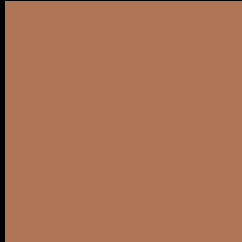
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4766, 0.4310, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

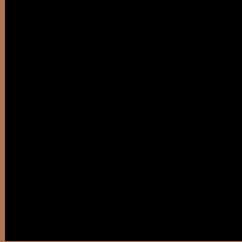
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4766, 0.4310, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 22.4766, 0.4310, 0.3778.



This preview shows how white text looks on a background with the Yxy color 22.4766, 0.4310, 0.3778.

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

22.4766, 0.4310, 0.3778

Protanopia

22.7216, 0.3719, 0.4001

Deuteranopia

22.5455, 0.4054, 0.3981



Tritanopia

22.4338, 0.3888, 0.3160

Trichromacy



Original Color

22.4766, 0.4310, 0.3778

Protanomaly

22.4963, 0.3926, 0.3917

Deuteranomaly

22.4361, 0.4143, 0.3900

Tritanomaly

22.4644, 0.4043, 0.3382

Monochromacy



Original Color

22.4766, 0.4310, 0.3778

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.3397, 0.3525, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4766, 0.4310, 0.3778 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, 117, 84)` looks like.

```
.text, #text, p{  
    color:rgb(175, 117, 84)  
}
```

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, 117, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 117, 84) }
```

Border

The CSS property to change the border of an element to Yxy 22.4766, 0.4310, 0.3778 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, 117, 84) }
```

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

```
.border{ border-color:rgb(175, 117, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 117, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 117, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 117, 84);  
box-shadow:4px 4px 4px 4px rgb(175, 117,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4766, 0.4310, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 117, 84) }
```

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

```
.background{ background-color: rgb(175,  
117, 84) }
```

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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