

Converting Colors

$Y_{xy}(22.3138, 0.4469, 0.4042)$

Have a look what the booklet for
Yxy(22.3138, 0.4469, 0.4042)
contains.

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Color

Yxy(22.4712, 0.4473, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	AD7742
RGB	173, 119, 66
RGB Percent	68%, 47%, 26%
CMY	0.3216, 0.5333, 0.7411
CMYK	0.00, 0.31, 0.62, 0.32
HSL	30°, 45%, 47%
HSV	30°, 62%, 68%
XYZ	24.8121, 22.4712, 8.1875
YIQ	129.1040, 49.1970, -5.0350

Conversions

Conversions Part 2

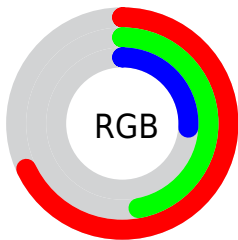
Format	Color
R_{YB}	173, 171, 66
Decimal	11368258
CIE _{Lab}	54.52, 15.57, 37.18
CIE _{LCh}	55, 40.306, 67.270
Yxy	22.4712, 0.4473, 0.4051
Android (android.graphics.Color)	4289558338 (0xFFAD7742)
YUV	129.1040, -31.1103, 38.4968
Hunter-Lab	47.4038, 10.4737, 22.9422

Details

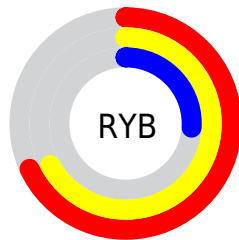
The Yxy color **22.4712, 0.4473, 0.4051** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.6088, 0.2167, 0.2312**, and the grayscale version is **22.0908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3757, 0.4186, 0.3914**, and **8.2092, 0.4934, 0.4200** is the 20% darker color. If you saturate the color by 10%, you get **20.3146, 0.4747, 0.4124**, and if you desaturate by 10%, it is **24.8826, 0.4203, 0.3948**.

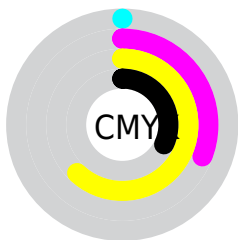
Distribution



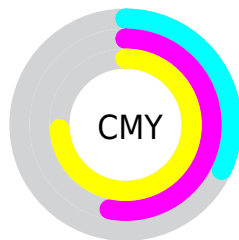
- Red (68%)
- Green (47%)
- Blue (26%)



- Red (68%)
- Yellow (67%)
- Blue (26%)



- Cyan (0%)
- Magenta (31%)
- Yellow (62%)
- Black (32%)





- Cyan (32%)
- Magenta (53%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4712, 0.4473, 0.4051 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 22.4712, 0.4473, 0.4051 by changing the saturation by 10% instead.


 22.4712, 0.4473,
0.4051


 22.4712, 0.4473,
0.4051


264.9972, 0.3732,
0.3673

 14.2035, 0.4671,
0.4130


 47.5236, 0.4191,
0.3921


 8.2624, 0.4925,
0.4212

 65.0771, 0.4089,
0.3869

 4.2633, 0.5312,
0.4326

 86.4946, 0.4004,
0.3825

 1.8219, 0.5707,
0.4293

 112.1606, 0.3932,
0.3786

 0.5008, 0.6310,
0.3690

 142.4595, 0.3871,
0.3752

 0.0000, 0.0000,
0.0000

177.7756, 0.3818,

0.3723

218.4934, 0.3772,
0.3696

■ 22.4712, 0.4473,
0.4051

■ 22.4712, 0.4473,
0.4051

■ 20.3146, 0.4747,
0.4124

■ 24.8826, 0.4203,
0.3948

■ 18.3986, 0.5010,
0.4153

■ 27.5555, 0.3948,
0.3826

■ 16.7122, 0.5243,
0.4132

■ 30.5002, 0.3714,
0.3695

■ 15.4891, 0.5414,
0.4084

■ 33.7254, 0.3504,
0.3563

■ 37.2394, 0.3318,
0.3434

■ 41.0500, 0.3155,
0.3312

■ 45.1647, 0.3012,
0.3197

■ 49.5908, 0.2888,
0.3091

■ 54.3351, 0.2780,
0.2993

Harmonies

Analogous

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



22.4712, 0.4522, 0.3521



22.4712, 0.4473, 0.4051



22.4712, 0.4046, 0.4479

Triad

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



22.4712, 0.4473, 0.4051



22.4712, 0.2181, 0.3504



22.4712, 0.2726, 0.2275

Complementary

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



22.4712, 0.4473, 0.4051



17.6088, 0.2167, 0.2312

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.



22.4712, 0.2194, 0.2196



22.4712, 0.4473, 0.4051



22.4712, 0.1908, 0.2805

Square

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



22.4712, 0.4473, 0.4051



22.4712, 0.2718, 0.4229



22.4712, 0.1916, 0.2361



22.4712, 0.3439, 0.2560

Rectangle

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



22.4712, 0.4473, 0.4051



22.4712, 0.3630, 0.4609



22.4712, 0.1916, 0.2361



22.4712, 0.2523, 0.2224

Sweetspot

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



22.4723, 0.4473, 0.4051



61.9363, 0.3455, 0.3530



14.1695, 0.4006, 0.2506



13.0935, 0.3509, 0.3567



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.4723, 0.4473, 0.4051



35.1532, 0.4840, 0.4139



38.4789, 0.3995, 0.4684



8.6460, 0.3275, 0.3403



11.4952, 0.5397, 0.4097



0.4295, 0.4942, 0.4458

Inverse Universe

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



17.6088, 0.2167, 0.2312



25.7014, 0.1996, 0.2054



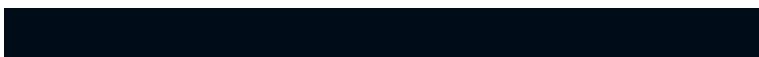
8.2867, 0.1954, 0.1367



8.4001, 0.2986, 0.3175



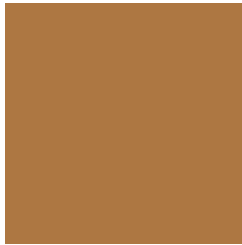
7.3746, 0.1783, 0.1620



0.3146, 0.1936, 0.2171

Previews

White Background



This preview shows how the Yxy color 22.4712, 0.4473, 0.4051 looks on a white background.

Color Contrast Check

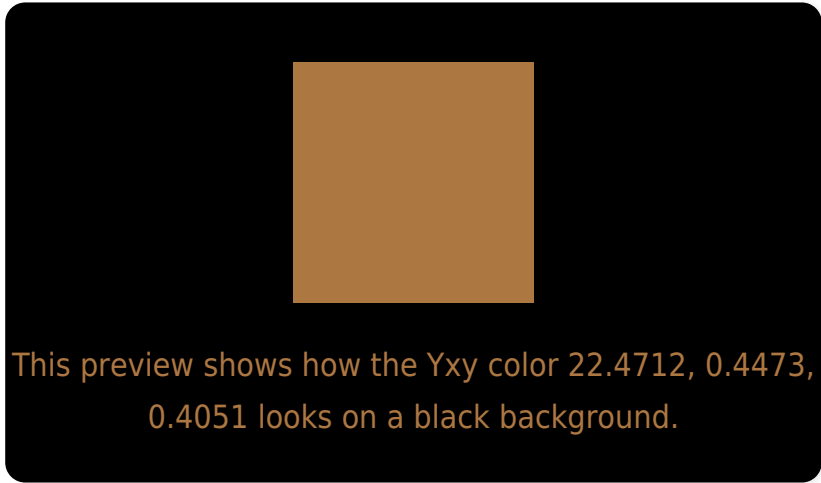
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

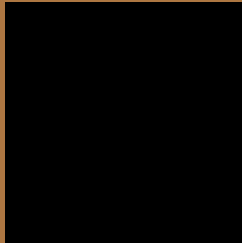
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4712, 0.4473, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 22.4712, 0.4473, 0.4051.



This preview shows how white text looks on a background with the Yxy color 22.4712, 0.4473, 0.4051.

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

22.4712, 0.4473, 0.4051

Protanopia

22.6041, 0.3955, 0.4314

Deuteranopia

22.6260, 0.4275, 0.4208



Tritanopia

22.5378, 0.3871, 0.3174

Trichromacy



Original Color

22.4712, 0.4473, 0.4051

Protanomaly

22.5770, 0.4140, 0.4214

Deuteranomaly

22.5469, 0.4345, 0.4159

Tritanomaly

22.4312, 0.4118, 0.3501

Monochromacy



Original Color

22.4712, 0.4473, 0.4051

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7276, 0.3600, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4712, 0.4473, 0.4051 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(173, 119, 66)` looks like.

```
.text, #text, p{  
    color:rgb(173, 119, 66)  
}
```

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(173, 119, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 119, 66) }
```

Border

The CSS property to change the border of an element to Yxy 22.4712, 0.4473, 0.4051 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(173, 119, 66) }
```

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

```
.border{ border-color:rgb(173, 119, 66) }
```

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

Here you see how a box with a 4 pixel rgb(173, 119, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 119, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 119, 66);  
box-shadow:4px 4px 4px 4px rgb(173, 119,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4712, 0.4473, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 119, 66) }
```

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

```
.background{ background-color: rgb(173,  
119, 66) }
```

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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