

Converting Colors

$Y_{xy}(22.1708, 0.4345, 0.3839)$

Have a look what the booklet for
Yxy(22.1708, 0.4345, 0.3839)
contains.

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Color

Yxy(22.1860, 0.4334, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	AD7550
RGB	173, 117, 80
RGB Percent	68%, 46%, 31%
CMY	0.3216, 0.5411, 0.6863
CMYK	0.00, 0.32, 0.54, 0.32
HSL	24°, 37%, 50%
HSV	24°, 54%, 68%
XYZ	25.0401, 22.1860, 10.5499
YIQ	129.5260, 45.2530, 0.3650

Conversions

Conversions Part 2

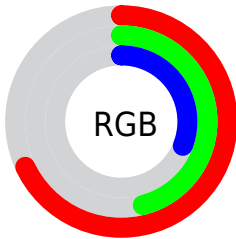
Format	Color
R_{YB}	173, 141, 80
Decimal	11367760
CIE Lab	54.22, 17.84, 29.22
CIE LCh	54, 34.233, 58.588
Yxy	22.1860, 0.4334, 0.3840
Android (android.graphics.Color)	4289557840 (0xFFAD7550)
YUV	129.5260, -24.4163, 38.1267
Hunter-Lab	47.1020, 12.4647, 19.6916

Details

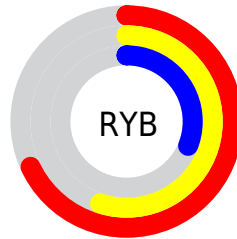
The Yxy color **22.1860, 0.4334, 0.3840** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.3196, 0.2318, 0.2633**, and the grayscale version is **22.2232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9766, 0.4073, 0.3739**, and **8.0316, 0.4780, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **19.6703, 0.4646, 0.3916**, and if you desaturate by 10%, it is **25.0396, 0.4044, 0.3744**.

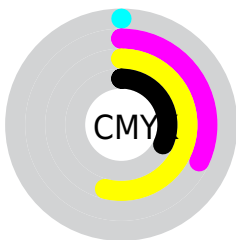
Distribution



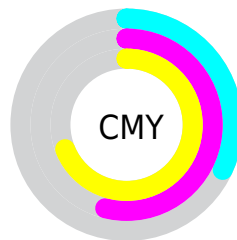
- Red (68%)
- Green (46%)
- Blue (31%)



- Red (68%)
- Yellow (55%)
- Blue (31%)



- Cyan (0%)
- Magenta (32%)
- Yellow (54%)
- Black (32%)





- Cyan (32%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1860, 0.4334, 0.3840 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 22.1860, 0.4334, 0.3840 by changing the saturation by 10% instead.


 22.1860, 0.4334,
0.3840


 22.1860, 0.4334,
0.3840


263.5161, 0.3658,
0.3565


 13.9936, 0.4525,
0.3900


 47.0532, 0.4071,
0.3744

 8.1162, 0.4779,
0.3965


 64.4969, 0.3978,
0.3707

 4.1694, 0.5130,
0.4023

 85.7931, 0.3901,
0.3674

 1.7688, 0.5828,
0.4172

 111.3262, 0.3836,
0.3647

 0.4676, 0.6532,
0.3468

 141.4807, 0.3782,
0.3622

 0.0000, 0.0000,
0.0000

176.6409, 0.3735,

0.3601

217.1912, 0.3694,
0.3582

■ 22.1860, 0.4334,
0.3840

■ 22.1860, 0.4334,
0.3840

■ 19.6703, 0.4646,
0.3916

■ 25.0396, 0.4044,
0.3744

■ 17.4753, 0.4966,
0.3960

■ 28.2409, 0.3784,
0.3639

■ 15.5869, 0.5272,
0.3960

■ 31.8031, 0.3555,
0.3531

■ 13.9881, 0.5542,
0.3909

■ 35.7378, 0.3356,
0.3426

■ 13.1224, 0.5694,
0.3861

■ 40.0561, 0.3185,
0.3326

■ 44.7684, 0.3038,
0.3232

■ 49.8849, 0.2912,
0.3146

■ 55.4153, 0.2804,
0.3067

■ 61.3689, 0.2710,
0.2994

Harmonies

Analogous

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



22.1860, 0.4256, 0.3371



22.1860, 0.4334, 0.3840



22.1860, 0.4061, 0.4237

Triad

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



22.1860, 0.4334, 0.3840



22.1860, 0.2430, 0.3664



22.1860, 0.2631, 0.2363

Complementary

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



22.1860, 0.4334, 0.3840



22.3196, 0.2318, 0.2633

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.



22.1860, 0.2223, 0.2358



22.1860, 0.4334, 0.3840



22.1860, 0.2112, 0.3042

Square

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



22.1860, 0.4334, 0.3840



22.1860, 0.2950, 0.4209



22.1860, 0.2044, 0.2581



22.1860, 0.3215, 0.2566

Rectangle

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



22.1860, 0.4334, 0.3840



22.1860, 0.3737, 0.4389



22.1860, 0.2044, 0.2581



22.1860, 0.2472, 0.2338

Sweetspot

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



22.1871, 0.4334, 0.3840



62.1762, 0.3404, 0.3452



16.4343, 0.3692, 0.2462



13.2049, 0.3442, 0.3473



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.



22.1871, 0.4334, 0.3840



34.2492, 0.4722, 0.3930



35.3501, 0.3967, 0.4434



8.5190, 0.3277, 0.3381



9.7476, 0.5675, 0.3876



0.3799, 0.5124, 0.4313

Inverse Universe

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



22.3196, 0.2318, 0.2633



34.4394, 0.2160, 0.2448



12.1764, 0.2148, 0.1794



8.5288, 0.2986, 0.3198



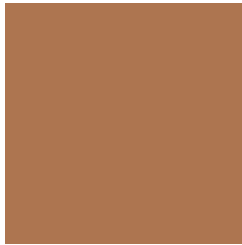
9.6228, 0.1876, 0.1953



0.3707, 0.2001, 0.2403

Previews

White Background



This preview shows how the Yxy color 22.1860, 0.4334, 0.3840 looks on a white background.

Color Contrast Check

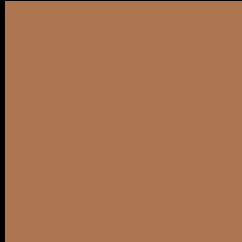
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1860, 0.4334, 0.3840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

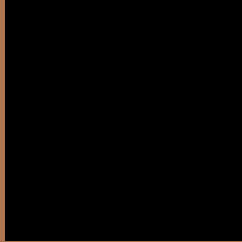
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1860, 0.4334, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 22.1860, 0.4334, 0.3840.



This preview shows how white text looks on a background with the Yxy color 22.1860, 0.4334, 0.3840.

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

22.1860, 0.4334, 0.3840

Protanopia

22.2839, 0.3767, 0.4074

Deuteranopia

22.2489, 0.4096, 0.4012



Tritanopia

22.1745, 0.3876, 0.3173

Trichromacy



Original Color

22.1860, 0.4334, 0.3840

Protanomaly

22.0641, 0.3979, 0.3984

Deuteranomaly

22.0258, 0.4185, 0.3948

Tritanomaly

22.1685, 0.4058, 0.3428

Monochromacy



Original Color

22.1860, 0.4334, 0.3840

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9481, 0.3540, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1860, 0.4334, 0.3840 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, 117, 80)` looks like.

```
.text, #text, p{  
    color:rgb(173, 117, 80)  
}
```

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, 117, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 117, 80) }
```

Border

The CSS property to change the border of an element to Yxy 22.1860, 0.4334, 0.3840 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, 117, 80) }
```

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

```
.border{ border-color:rgb(173, 117, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 117, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 117, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 117, 80);  
box-shadow:4px 4px 4px 4px rgb(173, 117,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1860, 0.4334, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 117, 80) }
```

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

```
.background{ background-color: rgb(173,  
117, 80) }
```

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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