

Converting Colors

$Y_{xy}(22.8190, 0.4307, 0.4141)$

Have a look what the booklet for
Yxy(22.8190, 0.4307, 0.4141)
contains.

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Color

Yxy(22.8320, 0.4304, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	A57C44
RGB	165, 124, 68
RGB Percent	65%, 49%, 27%
CMY	0.3529, 0.5137, 0.7332
CMYK	0.00, 0.25, 0.59, 0.35
HSL	35°, 42%, 46%
HSV	35°, 59%, 65%
XYZ	23.7709, 22.8320, 8.6269
YIQ	129.8750, 42.4120, -8.7240

Conversions

Conversions Part 2

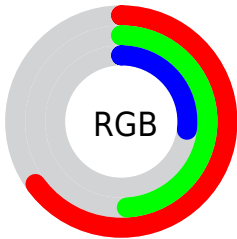
Format	Color
RYB	139, 165, 68
Decimal	10845252
CIELab	54.90, 9.42, 36.34
CIElCh	55, 37.541, 75.464
Yxy	22.8320, 0.4304, 0.4134
Android (android.graphics.Color)	4289035332 (0xFFA57C44)
YUV	129.8750, -30.5044, 30.8046
Hunter-Lab	47.7828, 5.1798, 22.7435

Details

The Yxy color **22.8320, 0.4304, 0.4134** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.8934, 0.2179, 0.2215**, and the grayscale version is **22.3769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8883, 0.4056, 0.3970**, and **8.4013, 0.4697, 0.4345** is the 20% darker color. If you saturate the color by 10%, you get **20.9714, 0.4542, 0.4235**, and if you desaturate by 10%, it is **24.8753, 0.4067, 0.4006**.

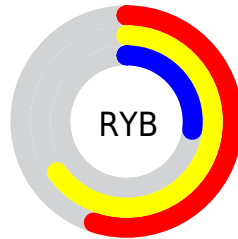
Distribution



Red (65%)

Green (49%)

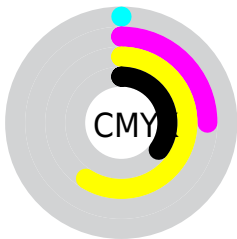
Blue (27%)



Red (55%)

Yellow (65%)

Blue (27%)

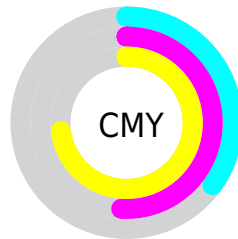


Cyan (0%)

Magenta (25%)

Yellow (59%)

Black (35%)



Cyan (35%)


Magenta (51%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8320, 0.4304, 0.4134 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 22.8320, 0.4304, 0.4134 by changing the saturation by 10% instead.


 22.8320, 0.4304,
0.4134


 22.8320, 0.4304,
0.4134


266.8609, 0.3660,
0.3698


 14.4695, 0.4475,
0.4236


 48.1173, 0.4060,
0.3977


 8.4479, 0.4694,
0.4353


 65.8089, 0.3971,
0.3917

 4.3829, 0.5014,
0.4512


 87.3791, 0.3897,
0.3866

 1.8900, 0.5385,
0.4615

 113.2121, 0.3834,
0.3823

 0.5423, 0.5789,
0.4211

 143.6924, 0.3781,
0.3785

 0.0000, 0.0000,
0.0000

179.2044, 0.3735,

0.3752

220.1324, 0.3695,
0.3723

■ 22.8320, 0.4304,
0.4134

■ 22.8320, 0.4304,
0.4134

■ 20.9714, 0.4542,
0.4235

■ 24.8753, 0.4067,
0.4006

■ 19.2828, 0.4770,
0.4297

■ 27.1048, 0.3840,
0.3862

■ 17.7590, 0.4974,
0.4311

■ 29.5280, 0.3629,
0.3711

■ 16.3862, 0.5151,
0.4280

■ 32.1507, 0.3436,
0.3559

■ 16.2265, 0.5172,
0.4275

■ 34.9785, 0.3263,
0.3413

■ 38.0168, 0.3109,
0.3273

■ 41.2706, 0.2973,
0.3143

■ 44.7448, 0.2853,
0.3022

■ 48.4442, 0.2747,
0.2911

Harmonies

Analogous

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



22.8320, 0.4450, 0.3654



22.8320, 0.4304, 0.4134



22.8320, 0.3840, 0.4464

Triad

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



22.8320, 0.4304, 0.4134



22.8320, 0.2149, 0.3300



22.8320, 0.2927, 0.2394

Complementary

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



22.8320, 0.4304, 0.4134



14.8934, 0.2179, 0.2215

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.



22.8320, 0.2370, 0.2264



22.8320, 0.4304, 0.4134



22.8320, 0.1962, 0.2705

Square

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



22.8320, 0.4304, 0.4134



22.8320, 0.2594, 0.3990



22.8320, 0.2040, 0.2357



22.8320, 0.3606, 0.2709

Rectangle

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



22.8320, 0.4304, 0.4134



22.8320, 0.3429, 0.4504



22.8320, 0.2040, 0.2357



22.8320, 0.2720, 0.2328

Sweetspot

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



22.8331, 0.4304, 0.4134



57.7867, 0.3428, 0.3553



13.2652, 0.4087, 0.2657



12.3393, 0.3479, 0.3594



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.8331, 0.4304, 0.4134



36.4509, 0.4624, 0.4262



34.6578, 0.3879, 0.4682



7.7328, 0.3271, 0.3420



12.3737, 0.5160, 0.4285



0.3508, 0.4729, 0.4627

Inverse Universe

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



14.8934, 0.2179, 0.2215



20.9263, 0.1984, 0.1915



8.3300, 0.2070, 0.1470



7.3293, 0.2987, 0.3157



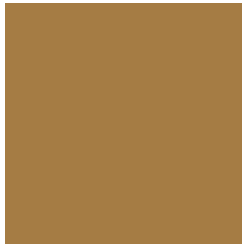
5.4430, 0.1712, 0.1364



0.2071, 0.1913, 0.2086

Previews

White Background



This preview shows how the Yxy color 22.8320, 0.4304, 0.4134 looks on a white background.

Color Contrast Check

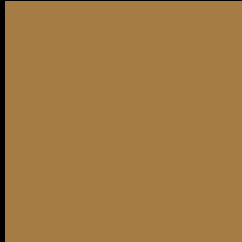
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8320, 0.4304, 0.4134 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 22.8320, 0.4304, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 22.8320, 0.4304, 0.4134.



This preview shows how white text looks on a background with the Yxy color 22.8320, 0.4304, 0.4134.

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

22.8320, 0.4304, 0.4134

Protanopia

22.9772, 0.3950, 0.4309

Deuteranopia

22.7660, 0.4257, 0.4164



Tritanopia

22.7750, 0.3698, 0.3154

Trichromacy



Original Color

22.8320, 0.4304, 0.4134

Protanomaly

22.8181, 0.4074, 0.4244

Deuteranomaly

22.8711, 0.4269, 0.4159

Tritanomaly

22.7777, 0.3933, 0.3525

Monochromacy



Original Color

22.8320, 0.4304, 0.4134

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3395, 0.3551, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8320, 0.4304, 0.4134 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(165, 124, 68)` looks like.

```
.text, #text, p{  
    color:rgb(165, 124, 68)  
}
```

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(165, 124, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 124, 68) }
```

Border

The CSS property to change the border of an element to Yxy 22.8320, 0.4304, 0.4134 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(165, 124, 68) }
```

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

```
.border{ border-color:rgb(165, 124, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 124, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 124, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 124, 68);  
box-shadow:4px 4px 4px 4px rgb(165, 124,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8320, 0.4304, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 124, 68) }
```

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

```
.background{ background-color: rgb(165,  
124, 68) }
```

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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