

Converting Colors

$Y_{xy}(21.3598, 0.4498, 0.3807)$

Have a look what the booklet for
Yxy(21.3598, 0.4498, 0.3807)
contains.

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Color

Yxy(21.2240, 0.4500, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	B16F4B
RGB	177, 111, 75
RGB Percent	69%, 44%, 29%
CMY	0.3060, 0.5646, 0.7059
CMYK	0.00, 0.37, 0.58, 0.31
HSL	21°, 40%, 49%
HSV	21°, 58%, 69%
XYZ	25.0809, 21.2240, 9.4304
YIQ	126.6300, 50.8920, 2.7960

Conversions

Conversions Part 2

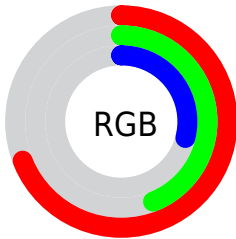
Format	Color
RYB	177, 131, 75
Decimal	11628363
CIELab	53.19, 22.46, 30.81
CIELCh	53, 38.126, 53.915
Yxy	21.2240, 0.4500, 0.3808
Android (android.graphics.Color)	4289818443 (0xFFB16F4B)
YUV	126.6300, -25.4536, 44.1745
Hunter-Lab	46.0695, 16.5562, 20.1120

Details

The Yxy color **21.2240, 0.4500, 0.3808** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **23.7026, 0.2283, 0.2659**, and the grayscale version is **21.1665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5079, 0.4199, 0.3719**, and **7.5989, 0.5031, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **18.6752, 0.4838, 0.3863**, and if you desaturate by 10%, it is **24.1624, 0.4184, 0.3730**.

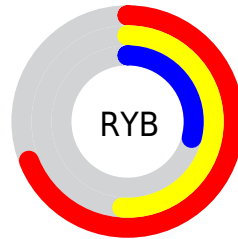
Distribution



Red (69%)

Green (44%)

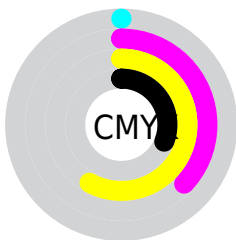
Blue (29%)



Red (69%)

Yellow (51%)

Blue (29%)

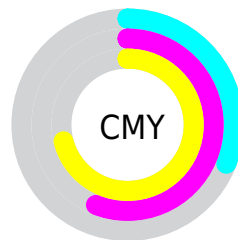


Cyan (0%)

Magenta (37%)

Yellow (58%)

Black (31%)



Cyan (31%)

Magenta (56%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2240, 0.4500, 0.3808 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 21.2240, 0.4500, 0.3808 by changing the saturation by 10% instead.


 21.2240, 0.4500,
0.3808


 21.2240, 0.4500,
0.3808


258.4665, 0.3727,
0.3560


 13.2878, 0.4718,
0.3854


 45.4600, 0.4199,
0.3726

 7.6271, 0.5009,
0.3896


 62.5287, 0.4092,
0.3692


 3.8572, 0.5423,
0.3924

 83.4103, 0.4004,
0.3663

 1.5940, 0.6087,
0.3913

 108.4893, 0.3930,
0.3637

 0.3536, 0.7145,
0.2855

 138.1500, 0.3868,
0.3614

 0.0000, 0.0000,
0.0000

172.7768, 0.3814,

0.3594

212.7542, 0.3768,
0.3576

■ 21.2240, 0.4500,
0.3808

■ 21.2240, 0.4500,
0.3808

■ 18.6752, 0.4838,
0.3863

■ 24.1624, 0.4184,
0.3730

■ 16.4951, 0.5178,
0.3882

■ 27.5037, 0.3899,
0.3638

■ 14.6651, 0.5493,
0.3854

■ 31.2644, 0.3649,
0.3542

■ 13.1611, 0.5759,
0.3780

■ 35.4592, 0.3434,
0.3447

■ 12.8456, 0.5820,
0.3761

■ 40.1018, 0.3249,
0.3356

■ 45.2055, 0.3092,
0.3270

■ 50.7829, 0.2958,
0.3191

■ 56.8461, 0.2844,
0.3118

■ 63.4068, 0.2747,
0.3052

Harmonies

Analogous

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



21.2240, 0.4352, 0.3287



21.2240, 0.4500, 0.3808



21.2240, 0.4238, 0.4282

Triad

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



21.2240, 0.4500, 0.3808



21.2240, 0.2418, 0.3826



21.2240, 0.2483, 0.2245

Complementary

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



21.2240, 0.4500, 0.3808



23.7026, 0.2283, 0.2659

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.



21.2240, 0.2072, 0.2271



21.2240, 0.4500, 0.3808



21.2240, 0.2031, 0.3102

Square

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



21.2240, 0.4500, 0.3808



21.2240, 0.3022, 0.4410



21.2240, 0.1917, 0.2551



21.2240, 0.3111, 0.2437

Rectangle

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



21.2240, 0.4500, 0.3808



21.2240, 0.3894, 0.4499



21.2240, 0.1917, 0.2551



21.2240, 0.2318, 0.2227

Sweetspot

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



21.2251, 0.4500, 0.3808



63.7926, 0.3427, 0.3444



16.3067, 0.3697, 0.2367



13.4938, 0.3466, 0.3462



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.



21.2251, 0.4500, 0.3808



32.3985, 0.4925, 0.3872



35.5778, 0.4050, 0.4466



8.9801, 0.3279, 0.3371



9.4154, 0.5800, 0.3777



0.4086, 0.5260, 0.4205

Inverse Universe

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



23.7026, 0.2283, 0.2659



37.1316, 0.2139, 0.2492



12.0306, 0.2083, 0.1726



9.1162, 0.2986, 0.3208



11.2140, 0.1919, 0.2109



0.4577, 0.2021, 0.2476

Previews

White Background



This preview shows how the Yxy color 21.2240, 0.4500, 0.3808 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 21.2240, 0.4500, 0.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

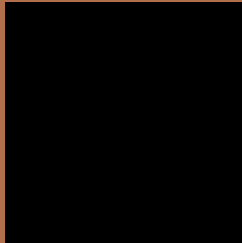
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2240, 0.4500, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 21.2240, 0.4500, 0.3808.



This preview shows how white text looks on a background with the Yxy color 21.2240, 0.4500, 0.3808.

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

21.2240, 0.4500, 0.3808

Protanopia

21.2618, 0.3805, 0.4102

Deuteranopia

21.3687, 0.4143, 0.4083



Tritanopia

21.2263, 0.4042, 0.3176

Trichromacy



Original Color

21.2240, 0.4500, 0.3808

Protanomaly

21.0116, 0.4056, 0.3985

Deuteranomaly

21.2378, 0.4271, 0.3975

Tritanomaly

21.2289, 0.4217, 0.3410

Monochromacy



Original Color

21.2240, 0.4500, 0.3808

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.7772, 0.3592, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2240, 0.4500, 0.3808 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(177, 111, 75)` looks like.

```
.text, #text, p{  
    color:rgb(177, 111, 75)  
}
```

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(177, 111, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 111, 75) }
```

Border

The CSS property to change the border of an element to Yxy 21.2240, 0.4500, 0.3808 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(177, 111, 75) }
```

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

```
.border{ border-color:rgb(177, 111, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 111, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 111, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 111, 75);  
box-shadow:4px 4px 4px 4px rgb(177, 111,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2240, 0.4500, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 111, 75) }
```

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

```
.background{ background-color: rgb(177,  
111, 75) }
```

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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