

Converting Colors

$Y_{xy}(22.0960, 0.4506, 0.3830)$

Have a look what the booklet for
Yxy(22.0960, 0.4506, 0.3830)
contains.

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Color

Yxy(22.0216, 0.4517, 0.3826)

Conversions

Conversions Part 1

Format	Color
Hex	B4714B
RGB	180, 113, 75
RGB Percent	71%, 44%, 29%
CMY	0.2941, 0.5569, 0.7059
CMYK	0.00, 0.37, 0.58, 0.29
HSL	22°, 41%, 50%
HSV	22°, 58%, 71%
XYZ	25.9988, 22.0216, 9.5373
YIQ	128.7010, 52.1300, 2.3860

Conversions

Conversions Part 2

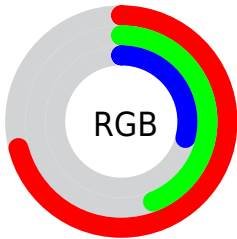
Format	Color
R_{YB}	180, 135, 75
Decimal	11825483
CIE _{Lab}	54.05, 22.63, 31.95
CIE _{LCh}	54, 39.156, 54.693
Yxy	22.0216, 0.4517, 0.3826
Android (android.graphics.Color)	4290015563 (0xFFB4714B)
YUV	128.7010, -26.4746, 44.9892
Hunter-Lab	46.9272, 16.7709, 20.7991

Details

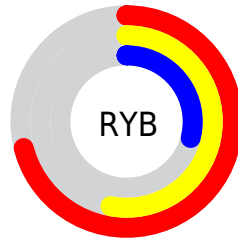
The Yxy color **22.0216, 0.4517, 0.3826** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.1402, 0.2270, 0.2632**, and the grayscale version is **21.9243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7417, 0.4216, 0.3735**, and **7.9665, 0.5024, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **19.4072, 0.4852, 0.3881**, and if you desaturate by 10%, it is **25.0324, 0.4201, 0.3747**.

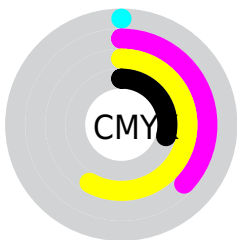
Distribution



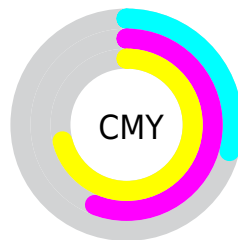
- Red (71%)
- Green (44%)
- Blue (29%)



- Red (71%)
- Yellow (53%)
- Blue (29%)



- Cyan (0%)
- Magenta (37%)
- Yellow (58%)
- Black (29%)





- Cyan (29%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0216, 0.4517, 0.3826 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 22.0216, 0.4517, 0.3826 by changing the saturation by 10% instead.


 22.0216, 0.4517,
0.3826


 22.0216, 0.4517,
0.3826


262.6591, 0.3740,
0.3572

 13.8728, 0.4734,
0.3873


 46.7817, 0.4216,
0.3742

 8.0322, 0.5020,
0.3916


 64.1618, 0.4109,
0.3708

 4.1156, 0.5421,
0.3942

 85.3877, 0.4020,
0.3677

 1.7384, 0.6064,
0.3936

 110.8439, 0.3945,
0.3651

 0.4484, 0.6875,
0.3125

 140.9147, 0.3882,
0.3627

 0.0000, 0.0000,
0.0000

175.9846, 0.3828,

0.3607

216.4379, 0.3781,
0.3588

■ 22.0216, 0.4517,
0.3826

■ 22.0216, 0.4517,
0.3826

■ 19.4072, 0.4852,
0.3881

■ 25.0324, 0.4201,
0.3747

■ 17.1676, 0.5188,
0.3898

■ 28.4531, 0.3916,
0.3654

■ 15.2843, 0.5496,
0.3867

■ 32.3005, 0.3665,
0.3556

■ 13.7315, 0.5757,
0.3791

■ 36.5894, 0.3448,
0.3458

■ 13.5007, 0.5799,
0.3778

■ 41.3338, 0.3261,
0.3364

■ 46.5472, 0.3102,
0.3276

■ 52.2423, 0.2967,
0.3194

■ 58.4315, 0.2851,
0.3119

■ 65.1267, 0.2753,
0.3051

Harmonies

Analogous

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



22.0216, 0.4380, 0.3299



22.0216, 0.4517, 0.3826



22.0216, 0.4240, 0.4304

Triad

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



22.0216, 0.4517, 0.3826



22.0216, 0.2395, 0.3815



22.0216, 0.2488, 0.2234

Complementary

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



22.0216, 0.4517, 0.3826



24.1402, 0.2270, 0.2632

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.



22.0216, 0.2066, 0.2254



22.0216, 0.4517, 0.3826



22.0216, 0.2010, 0.3080

Square

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



22.0216, 0.4517, 0.3826



22.0216, 0.3002, 0.4417



22.0216, 0.1903, 0.2529



22.0216, 0.3129, 0.2434

Rectangle

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



22.0216, 0.4517, 0.3826



22.0216, 0.3887, 0.4521



22.0216, 0.1903, 0.2529



22.0216, 0.2320, 0.2215

Sweetspot

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



22.0227, 0.4517, 0.3826



67.1962, 0.3427, 0.3448



16.7277, 0.3708, 0.2357



14.1757, 0.3466, 0.3467



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



22.0227, 0.4517, 0.3826



33.9551, 0.4949, 0.3890



36.8549, 0.4061, 0.4479



8.9920, 0.3278, 0.3373



9.5396, 0.5777, 0.3795



0.4134, 0.5242, 0.4220

Inverse Universe

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



24.1402, 0.2270, 0.2632



38.0188, 0.2123, 0.2456



12.2317, 0.2068, 0.1702



9.1039, 0.2986, 0.3206



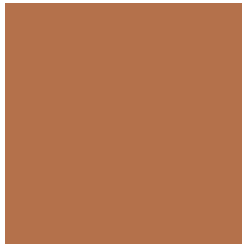
10.9668, 0.1911, 0.2078



0.4511, 0.2015, 0.2455

Previews

White Background



This preview shows how the Yxy color 22.0216, 0.4517, 0.3826 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 22.0216, 0.4517, 0.3826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

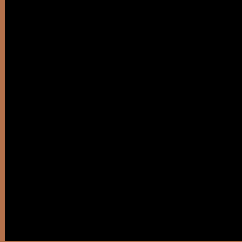
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0216, 0.4517, 0.3826

Background



This preview shows how black text looks on a background with the Yxy color 22.0216, 0.4517, 0.3826.



This preview shows how white text looks on a background with the Yxy color 22.0216, 0.4517, 0.3826.

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

22.0216, 0.4517, 0.3826

Protanopia

22.2221, 0.3811, 0.4140

Deuteranopia

22.1654, 0.4163, 0.4099



Tritanopia

22.0534, 0.4041, 0.3178

Trichromacy



Original Color

22.0216, 0.4517, 0.3826

Protanomaly

21.9484, 0.4058, 0.4023

Deuteranomaly

22.0343, 0.4290, 0.3992

Tritanomaly

22.0365, 0.4227, 0.3423

Monochromacy



Original Color

22.0216, 0.4517, 0.3826

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5659, 0.3610, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0216, 0.4517, 0.3826 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(180, 113, 75)` looks like.

```
.text, #text, p{  
    color:rgb(180, 113, 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(180, 113, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 113, 75) }
```

Border

The CSS property to change the border of an element to Yxy 22.0216, 0.4517, 0.3826 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(180, 113, 75) }
```

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

```
.border{ border-color:rgb(180, 113, 75) }
```

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

Here you see how a box with a 4 pixel rgb(180, 113, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 113, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 113, 75);  
box-shadow:4px 4px 4px 4px rgb(180, 113,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0216, 0.4517, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 113, 75) }
```

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

```
.background{ background-color: rgb(180,  
113, 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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