

Converting Colors

$Y_{xy}(22.7457, 0.4640, 0.4197)$

Have a look what the booklet for
Yxy(22.7457, 0.4640, 0.4197)
contains.

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Color

Yxy(22.6717, 0.4644, 0.4191)

Conversions

Conversions Part 1

Format	Color
Hex	B07734
RGB	176, 119, 52
RGB Percent	69%, 47%, 20%
CMY	0.3098, 0.5333, 0.7960
CMYK	0.00, 0.32, 0.70, 0.31
HSL	32°, 54%, 45%
HSV	32°, 70%, 69%
XYZ	25.1223, 22.6717, 6.3022
YIQ	128.4050, 55.4790, -8.7530

Conversions

Conversions Part 2

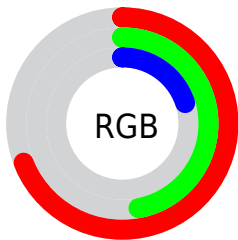
Format	Color
R _Y B	157, 176, 52
Decimal	11564852
CIE Lab	54.73, 16.00, 44.59
CIE LCh	55, 47.372, 70.261
Yxy	22.6717, 0.4644, 0.4191
Android (android.graphics.Color)	4289754932 (0xFFB07734)
YUV	128.4050, -37.6677, 41.7408
Hunter-Lab	47.6148, 10.8532, 25.4829

Details

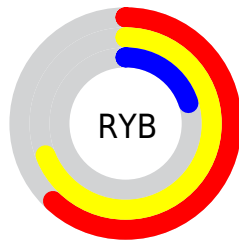
The Yxy color **22.6717, 0.4644, 0.4191** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.8060, 0.2026, 0.2037**, and the grayscale version is **21.8548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7473, 0.4339, 0.4044**, and **8.4284, 0.5084, 0.4345** is the 20% darker color. If you saturate the color by 10%, you get **20.6979, 0.4887, 0.4237**, and if you desaturate by 10%, it is **24.8709, 0.4389, 0.4104**.

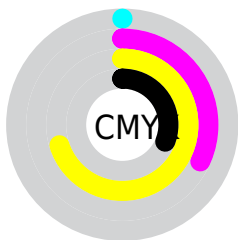
Distribution



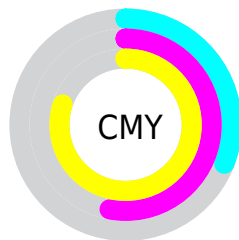
- Red (69%)
- Green (47%)
- Blue (20%)



- Red (62%)
- Yellow (69%)
- Blue (20%)



- Cyan (0%)
- Magenta (32%)
- Yellow (70%)
- Black (31%)





- Cyan (31%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6717, 0.4644, 0.4191 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 22.6717, 0.4644, 0.4191 by changing the saturation by 10% instead.


 22.6717, 0.4644,
0.4191


 22.6717, 0.4644,
0.4191


266.0343, 0.3825,
0.3758

 14.3513, 0.4849,
0.4270


 47.8537, 0.4340,
0.4049


 8.3654, 0.5101,
0.4342


 65.4841, 0.4227,
0.3990

 4.3296, 0.5525,
0.4475

 86.9865, 0.4132,
0.3938

 1.8596, 0.5723,
0.4277

 112.7455, 0.4051,
0.3892

 0.5239, 0.6293,
0.3707

 143.1454, 0.3982,
0.3852

 0.0000, 0.0000,
0.0000

 178.5705, 0.3923,

0.3817

219.4054, 0.3871,
0.3786

■ 22.6717, 0.4644,
0.4191

■ 22.6717, 0.4644,
0.4191

■ 20.6979, 0.4887,
0.4237

■ 24.8709, 0.4389,
0.4104

■ 18.9351, 0.5104,
0.4232

■ 27.3019, 0.4137,
0.3988

■ 17.4312, 0.5285,
0.4186

■ 29.9749, 0.3896,
0.3853

■ 32.8980, 0.3674,
0.3711

■ 36.0792, 0.3473,
0.3568

■ 39.5259, 0.3293,
0.3428

■ 43.2451, 0.3134,
0.3296

■ 47.2434, 0.2994,
0.3172

■ 51.5275, 0.2871,
0.3057

Harmonies

Analogous

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



22.6717, 0.4772, 0.3587



22.6717, 0.4644, 0.4191



22.6717, 0.4101, 0.4694

Triad

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



22.6717, 0.4644, 0.4191



22.6717, 0.1986, 0.3438



22.6717, 0.2730, 0.2156

Complementary

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



22.6717, 0.4644, 0.4191



14.8060, 0.2026, 0.2037

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.



22.6717, 0.2102, 0.2038



22.6717, 0.4644, 0.4191



22.6717, 0.1721, 0.2644

Square

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



22.6717, 0.4644, 0.4191



22.6717, 0.2565, 0.4337



22.6717, 0.1765, 0.2183



22.6717, 0.3572, 0.2495

Rectangle

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



22.6717, 0.4644, 0.4191



22.6717, 0.3606, 0.4846



22.6717, 0.1765, 0.2183



22.6717, 0.2490, 0.2090

Sweetspot

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



22.6728, 0.4644, 0.4191



64.8812, 0.3490, 0.3581



12.8110, 0.4320, 0.2523



13.7176, 0.3543, 0.3619



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.



22.6728, 0.4644, 0.4191



35.5612, 0.5022, 0.4240



40.0567, 0.4020, 0.4860



9.2404, 0.3274, 0.3413



12.9070, 0.5270, 0.4198



0.5212, 0.4894, 0.4496

Inverse Universe

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



14.8060, 0.2026, 0.2037



20.4747, 0.1844, 0.1708



6.4370, 0.1818, 0.1093



8.8524, 0.2985, 0.3164



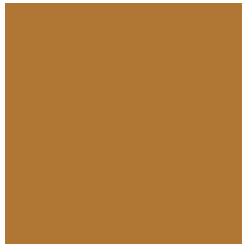
6.7228, 0.1742, 0.1471



0.3286, 0.1892, 0.2012

Previews

White Background



This preview shows how the Yxy color 22.6717, 0.4644, 0.4191 looks on a white background.

Color Contrast Check

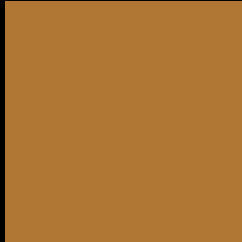
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6717, 0.4644, 0.4191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

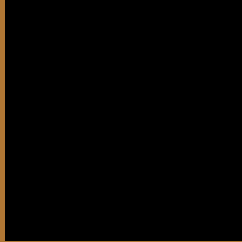
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6717, 0.4644, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 22.6717, 0.4644, 0.4191.



This preview shows how white text looks on a background with the Yxy color 22.6717, 0.4644, 0.4191.

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

22.6717, 0.4644, 0.4191

Protanopia

22.8990, 0.4100, 0.4509

Deuteranopia

22.7900, 0.4448, 0.4366



Tritanopia

22.6477, 0.3927, 0.3176

Trichromacy



Original Color

22.6717, 0.4644, 0.4191

Protanomaly

22.6227, 0.4298, 0.4383

Deuteranomaly

22.7298, 0.4511, 0.4303

Tritanomaly

22.6714, 0.4235, 0.3584

Monochromacy



Original Color

22.6717, 0.4644, 0.4191

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6071, 0.3673, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6717, 0.4644, 0.4191 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(176, 119, 52)` looks like.

```
.text, #text, p{  
    color:rgb(176, 119, 52)  
}
```

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(176, 119, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 119, 52) }
```

Border

The CSS property to change the border of an element to Yxy 22.6717, 0.4644, 0.4191 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(176, 119, 52) }
```

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

```
.border{ border-color:rgb(176, 119, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 119, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 119, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 119, 52);  
box-shadow:4px 4px 4px 4px rgb(176, 119,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6717, 0.4644, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 119, 52) }
```

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

```
.background{ background-color: rgb(176,  
119, 52) }
```

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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