

Converting Colors

$Y_{xy}(22.2977, 0.4614, 0.3868)$

Have a look what the booklet for
Yxy(22.2977, 0.4614, 0.3868)
contains.

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Color

Yxy(22.3197, 0.4610, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	B77146
RGB	183, 113, 70
RGB Percent	72%, 44%, 27%
CMY	0.2824, 0.5568, 0.7253
CMYK	0.00, 0.38, 0.62, 0.28
HSL	23°, 45%, 50%
HSV	23°, 62%, 72%
XYZ	26.5395, 22.3197, 8.7103
YIQ	129.0280, 55.5230, 1.4670

Conversions

Conversions Part 2

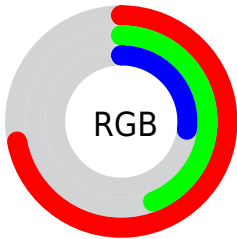
Format	Color
R_YB	183, 139, 70
Decimal	12022086
CIE Lab	54.36, 23.51, 35.14
CIE LCh	54, 42.281, 56.219
Yxy	22.3197, 0.4610, 0.3877
Android (android.graphics.Color)	4290212166 (0xFFB77146)
YUV	129.0280, -29.1008, 47.3334
Hunter-Lab	47.2437, 17.5973, 22.1394

Details

The Yxy color **22.3197, 0.4610, 0.3877** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **23.4883, 0.2219, 0.2548**, and the grayscale version is **22.0545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1194, 0.4298, 0.3792**, and **8.1684, 0.5134, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **19.7495, 0.4939, 0.3924**, and if you desaturate by 10%, it is **25.2787, 0.4293, 0.3801**.

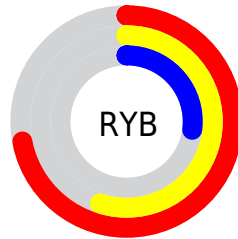
Distribution



Red (72%)

Green (44%)

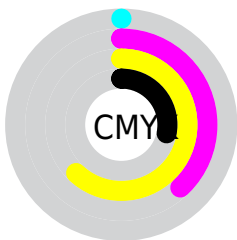
Blue (27%)



Red (72%)

Yellow (55%)

Blue (27%)

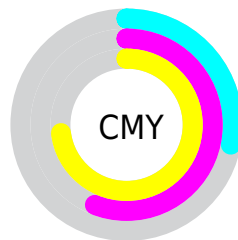


Cyan (0%)

Magenta (38%)

Yellow (62%)

Black (28%)



Cyan (28%)


Magenta (56%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3197, 0.4610, 0.3877 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 22.3197, 0.4610, 0.3877 by changing the saturation by 10% instead.


 22.3197, 0.4610,
0.3877


 22.3197, 0.4610,
0.3877


264.2113, 0.3787,
0.3604

 14.0920, 0.4835,
0.3924


 47.2738, 0.4294,
0.3789

 8.1847, 0.5127,
0.3963


 64.7690, 0.4180,
0.3752


 4.2133, 0.5552,
0.3993

 86.1222, 0.4086,
0.3719

 1.7936, 0.6094,
0.3906

 111.7177, 0.4006,
0.3690

 0.4832, 0.6844,
0.3156

 141.9400, 0.3939,
0.3665

 0.0000, 0.0000,
0.0000

177.1734, 0.3881,

0.3642

217.8024, 0.3831,
0.3622

■ 22.3197, 0.4610,
0.3877

■ 22.3197, 0.4610,
0.3877

■ 19.7495, 0.4939,
0.3924

■ 25.2787, 0.4293,
0.3801

■ 17.5466, 0.5260,
0.3929

■ 28.6400, 0.4002,
0.3706

■ 15.6918, 0.5546,
0.3883

■ 32.4204, 0.3742,
0.3604

■ 14.3978, 0.5750,
0.3816

■ 36.6346, 0.3516,
0.3501

■ 41.2966, 0.3321,
0.3401

■ 46.4197, 0.3153,
0.3306

■ 52.0166, 0.3010,
0.3217

■ 58.0996, 0.2888,
0.3136

■ 64.6803, 0.2783,
0.3062

Harmonies

Analogous

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



22.3197, 0.4492, 0.3319



22.3197, 0.4610, 0.3877



22.3197, 0.4287, 0.4388

Triad

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



22.3197, 0.4610, 0.3877



22.3197, 0.2313, 0.3814



22.3197, 0.2472, 0.2174

Complementary

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



22.3197, 0.4610, 0.3877



23.4883, 0.2219, 0.2548

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.



22.3197, 0.2014, 0.2179



22.3197, 0.4610, 0.3877



22.3197, 0.1923, 0.3021

Square

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



22.3197, 0.4610, 0.3877



22.3197, 0.2949, 0.4489



22.3197, 0.1828, 0.2450



22.3197, 0.3165, 0.2396

Rectangle

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



22.3197, 0.4610, 0.3877



22.3197, 0.3898, 0.4620



22.3197, 0.1828, 0.2450



22.3197, 0.2290, 0.2149

Sweetspot

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



22.3208, 0.4610, 0.3877



67.5540, 0.3466, 0.3476



16.3927, 0.3788, 0.2337



14.4147, 0.3525, 0.3506



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



22.3208, 0.4610, 0.3877



33.9194, 0.5054, 0.3931



38.4912, 0.4097, 0.4554



9.5571, 0.3278, 0.3377



10.1680, 0.5729, 0.3833



0.4794, 0.5245, 0.4218

Inverse Universe

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



23.4883, 0.2219, 0.2548



36.0363, 0.2070, 0.2351



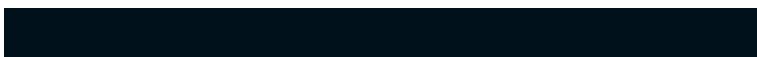
11.2354, 0.1997, 0.1565



9.6212, 0.2985, 0.3201



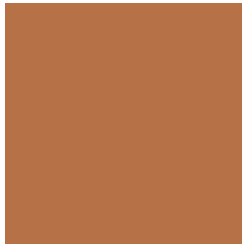
10.8214, 0.1892, 0.2011



0.4969, 0.1994, 0.2378

Previews

White Background



This preview shows how the Yxy color 22.3197, 0.4610, 0.3877 looks on a white background.

Color Contrast Check

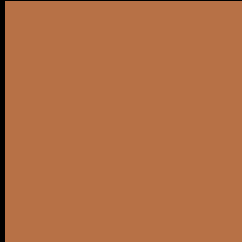
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3197, 0.4610, 0.3877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

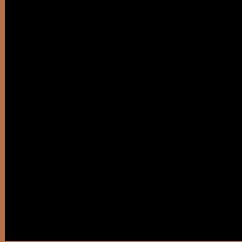
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3197, 0.4610, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 22.3197, 0.4610, 0.3877.



This preview shows how white text looks on a background with the Yxy color 22.3197, 0.4610, 0.3877.

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

22.3197, 0.4610, 0.3877

Protanopia

22.5940, 0.3882, 0.4227

Deuteranopia

22.3062, 0.4242, 0.4159



Tritanopia

22.1923, 0.4098, 0.3180

Trichromacy



Original Color

22.3197, 0.4610, 0.3877

Protanomaly

22.1788, 0.4152, 0.4085

Deuteranomaly

22.1874, 0.4370, 0.4050

Tritanomaly

22.1524, 0.4299, 0.3435

Monochromacy



Original Color

22.3197, 0.4610, 0.3877

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.6382, 0.3636, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3197, 0.4610, 0.3877 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(183, 113, 70)` looks like.

```
.text, #text, p{  
    color:rgb(183, 113, 70)  
}
```

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(183, 113, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 113, 70) }
```

Border

The CSS property to change the border of an element to Yxy 22.3197, 0.4610, 0.3877 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(183, 113, 70) }
```

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

```
.border{ border-color:rgb(183, 113, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 113, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 113, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 113, 70);  
box-shadow:4px 4px 4px 4px rgb(183, 113,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3197, 0.4610, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 113, 70) }
```

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

```
.background{ background-color: rgb(183,  
113, 70) }
```

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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