

Converting Colors

$Y_{xy}(22.6908, 0.4791, 0.4103)$

Have a look what the booklet for
Yxy(22.6908, 0.4791, 0.4103)
contains.

Yxy(22.6908, 0.4791, 0.4103)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6908, 0.4791, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	B87333
RGB	184, 115, 51
RGB Percent	72%, 45%, 20%
CMY	0.2784, 0.5490, 0.8000
CMYK	0.00, 0.37, 0.72, 0.28
HSL	29°, 57%, 46%
HSV	29°, 72%, 72%
XYZ	26.4956, 22.6908, 6.1165
YIQ	128.3350, 61.6680, -5.2760

Conversions

Conversions Part 2

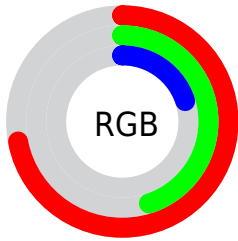
Format	Color
R_{YB}	184, 174, 51
Decimal	12088115
CIE _{Lab}	54.75, 21.66, 45.39
CIE _{LCh}	55, 50.292, 64.493
Yxy	22.6908, 0.4791, 0.4103
Android (android.graphics.Color)	4290278195 (0xFFB87333)
YUV	128.3350, -38.1262, 48.8182
Hunter-Lab	47.6349, 15.9249, 25.7313

Details

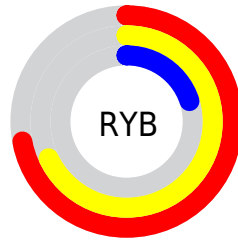
The Yxy color **22.6908, 0.4791, 0.4103** is a dark color, and the websafe version is hex **996633**, and the color name is **copper**. A complement of this color would be **17.5996, 0.2036, 0.2141**, and the grayscale version is **21.8291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8101, 0.4456, 0.3984**, and **8.3320, 0.5293, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **20.4948, 0.5060, 0.4126**, and if you desaturate by 10%, it is **25.1789, 0.4509, 0.4036**.

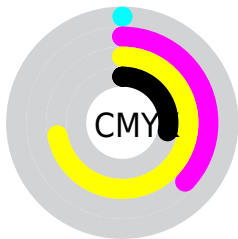
Distribution



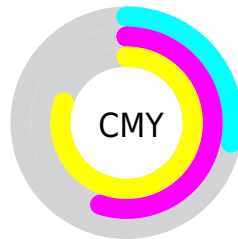
- Red (72%)
- Green (45%)
- Blue (20%)



- Red (72%)
- Yellow (68%)
- Blue (20%)



- Cyan (0%)
- Magenta (37%)
- Yellow (72%)
- Black (28%)





- Cyan (28%)
- Magenta (55%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6908, 0.4791, 0.4103 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 22.6908, 0.4791, 0.4103 by changing the saturation by 10% instead.


 22.6908, 0.4791,
0.4103


 22.6908, 0.4791,
0.4103


266.1329, 0.3891,
0.3733


 14.3654, 0.5017,
0.4159


 47.8851, 0.4457,
0.3989


 8.3752, 0.5294,
0.4196


 65.5228, 0.4332,
0.3939


 4.3360, 0.5740,
0.4260

 87.0333, 0.4228,
0.3894

 1.8632, 0.5995,
0.4005

 112.8011, 0.4140,
0.3854

 0.5261, 0.6647,
0.3353

 143.2106, 0.4064,
0.3818

 0.0000, 0.0000,
0.0000

 178.6461, 0.3998,

0.3787

219.4921, 0.3941,
0.3758

■ 22.6908, 0.4791,
0.4103

■ 22.6908, 0.4791,
0.4103

■ 20.4948, 0.5060,
0.4126

■ 25.1789, 0.4509,
0.4036

■ 18.5724, 0.5299,
0.4097

■ 27.9688, 0.4232,
0.3937

■ 17.2585, 0.5462,
0.4045

■ 31.0739, 0.3970,
0.3819

■ 34.5055, 0.3730,
0.3692

■ 38.2743, 0.3516,
0.3562

■ 42.3903, 0.3327,
0.3436

■ 46.8631, 0.3162,
0.3316

■ 51.7020, 0.3018,
0.3204

■ 56.9156, 0.2893,
0.3100

Harmonies

Analogous

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



22.6908, 0.4831, 0.3468



22.6908, 0.4791, 0.4103



22.6908, 0.4278, 0.4680

Triad

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



22.6908, 0.4791, 0.4103



22.6908, 0.2015, 0.3633



22.6908, 0.2556, 0.2057

Complementary

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



22.6908, 0.4791, 0.4103



17.5996, 0.2036, 0.2141

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.



22.6908, 0.1957, 0.1982



22.6908, 0.4791, 0.4103



22.6908, 0.1677, 0.2735

Square

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



22.6908, 0.4791, 0.4103



22.6908, 0.2674, 0.4562



22.6908, 0.1666, 0.2186



22.6908, 0.3416, 0.2370

Rectangle

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



22.6908, 0.4791, 0.4103



22.6908, 0.3778, 0.4916



22.6908, 0.1666, 0.2186



22.6908, 0.2322, 0.2004

Sweetspot

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



22.6920, 0.4791, 0.4103



69.3169, 0.3518, 0.3564



13.9627, 0.4201, 0.2398



14.5354, 0.3573, 0.3598



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.



22.6920, 0.4791, 0.4103



34.9420, 0.5212, 0.4114



42.8973, 0.4113, 0.4821



9.7061, 0.3276, 0.3400



12.0348, 0.5442, 0.4061



0.5483, 0.5039, 0.4381

Inverse Universe

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



17.5996, 0.2036, 0.2141



25.1349, 0.1872, 0.1843



6.9397, 0.1770, 0.1077



9.4695, 0.2985, 0.3177



8.2256, 0.1795, 0.1662



0.4132, 0.1922, 0.2119

Previews

White Background



This preview shows how the Yxy color 22.6908, 0.4791, 0.4103 looks on a white background.

Color Contrast Check

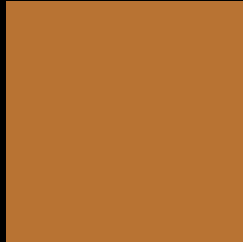
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6908, 0.4791, 0.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

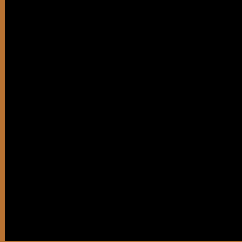
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6908, 0.4791, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 22.6908, 0.4791, 0.4103.



This preview shows how white text looks on a background with the Yxy color 22.6908, 0.4791, 0.4103.

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

22.6908, 0.4791, 0.4103

Protanopia

22.8990, 0.4100, 0.4509

Deuteranopia

22.7731, 0.4464, 0.4386



Tritanopia

22.6774, 0.4104, 0.3181

Trichromacy



Original Color

22.6908, 0.4791, 0.4103

Protanomaly

22.6616, 0.4354, 0.4362

Deuteranomaly

22.5544, 0.4587, 0.4278

Tritanomaly

22.7064, 0.4403, 0.3557

Monochromacy



Original Color

22.6908, 0.4791, 0.4103

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.3819, 0.3722, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6908, 0.4791, 0.4103 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(184, 115, 51)` looks like.

```
.text, #text, p{  
    color:rgb(184, 115, 51)  
}
```

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(184, 115, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 115, 51) }
```

Border

The CSS property to change the border of an element to Yxy 22.6908, 0.4791, 0.4103 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(184, 115, 51) }
```

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

```
.border{ border-color:rgb(184, 115, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 115, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 115, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 115, 51);  
box-shadow:4px 4px 4px 4px rgb(184, 115,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6908, 0.4791, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 115, 51) }
```

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

```
.background{ background-color: rgb(184,  
115, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor