

Converting Colors

$Y_{xy}(22.3275, 0.4557, 0.3789)$

Have a look what the booklet for
Yxy(22.3275, 0.4557, 0.3789)
contains.

Yxy(22.3005, 0.4562, 0.3787)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3005, 0.4562, 0.3787)

Conversions

Conversions Part 1

Format	Color
Hex	B8704C
RGB	184, 112, 76
RGB Percent	72%, 44%, 30%
CMY	0.2785, 0.5607, 0.7020
CMYK	0.00, 0.39, 0.59, 0.28
HSL	20°, 43%, 51%
HSV	20°, 59%, 72%
XYZ	26.8642, 22.3005, 9.7222
YIQ	129.4240, 54.4680, 4.0680

Conversions

Conversions Part 2

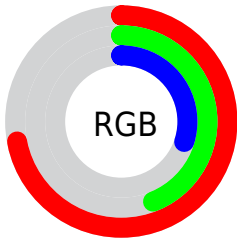
Format	Color
RYB	184, 130, 76
Decimal	12087372
CIELab	54.34, 24.92, 31.89
CIELCh	54, 40.475, 51.992
Yxy	22.3005, 0.4562, 0.3787
Android (android.graphics.Color)	4290277452 (0xFFB8704C)
YUV	129.4240, -26.3380, 47.8632
Hunter-Lab	47.2234, 18.9033, 20.8499

Details

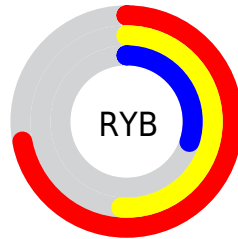
The Yxy color **22.3005, 0.4562, 0.3787** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **26.1648, 0.2276, 0.2681**, and the grayscale version is **22.1898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1120, 0.4249, 0.3707**, and **8.1608, 0.5087, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **19.5569, 0.4911, 0.3834**, and if you desaturate by 10%, it is **25.4881, 0.4234, 0.3715**.

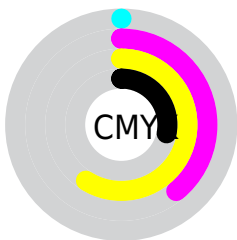
Distribution



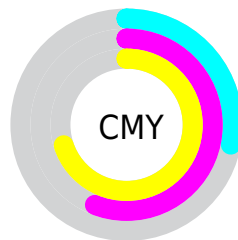
- Red (72%)
- Green (44%)
- Blue (30%)



- Red (72%)
- Yellow (51%)
- Blue (30%)



- Cyan (0%)
- Magenta (39%)
- Yellow (59%)
- Black (28%)





- Cyan (28%)
- Magenta (56%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3005, 0.4562, 0.3787 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 22.3005, 0.4562, 0.3787 by changing the saturation by 10% instead.


 22.3005, 0.4562,
0.3787

 22.3005, 0.4562,
0.3787


264.1116, 0.3761,
0.3558


 14.0779, 0.4785,
0.3826


 47.2422, 0.4252,
0.3714


 8.1748, 0.5080,
0.3857


 64.7300, 0.4141,
0.3683

 4.2070, 0.5489,
0.3864

 86.0750, 0.4050,
0.3655

 1.7900, 0.6160,
0.3840

 111.6616, 0.3973,
0.3631

 0.4810, 0.6931,
0.3069

 141.8741, 0.3908,
0.3609

 0.0000, 1.0000,
0.0000

177.0970, 0.3852,

 0.0000, 0.0000,

0.3590

0.0000

217.7147, 0.3803,
0.3573

■ 22.3005, 0.4562,
0.3787

■ 22.3005, 0.4562,
0.3787

■ 19.5569, 0.4911,
0.3834

■ 25.4881, 0.4234,
0.3715

■ 17.2326, 0.5260,
0.3844

■ 29.1360, 0.3939,
0.3630

■ 15.3055, 0.5579,
0.3807

■ 33.2635, 0.3680,
0.3539

■ 13.7456, 0.5844,
0.3727

■ 37.8880, 0.3458,
0.3449

■ 13.5671, 0.5876,
0.3716

■ 43.0259, 0.3269,
0.3361

■ 48.6927, 0.3108,
0.3280

■ 54.9034, 0.2971,
0.3204

■ 61.6723, 0.2856,
0.3135

■ 69.0131, 0.2757,
0.3072

Harmonies

Analogous

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



22.3005, 0.4382, 0.3248



22.3005, 0.4562, 0.3787



22.3005, 0.4309, 0.4289

Triad

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



22.3005, 0.4562, 0.3787



22.3005, 0.2422, 0.3898



22.3005, 0.2421, 0.2200

Complementary

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



22.3005, 0.4562, 0.3787



26.1648, 0.2276, 0.2681

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.



22.3005, 0.2013, 0.2241



22.3005, 0.4562, 0.3787



22.3005, 0.2005, 0.3135

Square

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



22.3005, 0.4562, 0.3787



22.3005, 0.3058, 0.4490



22.3005, 0.1871, 0.2546



22.3005, 0.3062, 0.2386

Rectangle

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



22.3005, 0.4562, 0.3787



22.3005, 0.3959, 0.4533



22.3005, 0.1871, 0.2546



22.3005, 0.2256, 0.2187

Sweetspot

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



22.3016, 0.4562, 0.3787



69.0453, 0.3450, 0.3445



17.4936, 0.3687, 0.2329



14.3387, 0.3510, 0.3471



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.



22.3016, 0.4562, 0.3787



34.3462, 0.4998, 0.3840



37.9805, 0.4082, 0.4467



9.4886, 0.3280, 0.3367



9.4689, 0.5854, 0.3734



0.4507, 0.5343, 0.4139

Inverse Universe

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



26.1648, 0.2276, 0.2681



41.8172, 0.2139, 0.2524



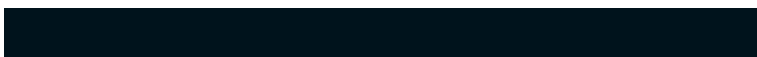
12.9985, 0.2066, 0.1718



9.6922, 0.2985, 0.3212



12.2182, 0.1938, 0.2177



0.5395, 0.2027, 0.2497

Previews

White Background



This preview shows how the Yxy color 22.3005, 0.4562, 0.3787 looks on a white background.

Color Contrast Check

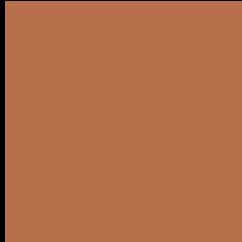
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3005, 0.4562, 0.3787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

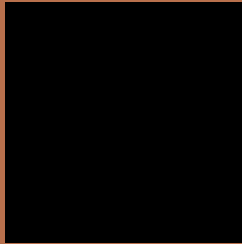
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3005, 0.4562, 0.3787

Background



This preview shows how black text looks on a background with the Yxy color 22.3005, 0.4562, 0.3787.



This preview shows how white text looks on a background with the Yxy color 22.3005, 0.4562, 0.3787.

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

22.3005, 0.4562, 0.3787

Protanopia

22.3406, 0.3802, 0.4103

Deuteranopia

22.2673, 0.4176, 0.4095



Tritanopia

22.3180, 0.4111, 0.3181

Trichromacy



Original Color

22.3005, 0.4562, 0.3787

Protanomaly

21.9132, 0.4080, 0.3985

Deuteranomaly

22.2522, 0.4315, 0.3984

Tritanomaly

22.3160, 0.4284, 0.3406

Monochromacy



Original Color

22.3005, 0.4562, 0.3787

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.6813, 0.3611, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3005, 0.4562, 0.3787 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, 112, 76)` looks like.

```
.text, #text, p{  
    color:rgb(184, 112, 76)  
}
```

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, 112, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 112, 76) }
```

Border

The CSS property to change the border of an element to Yxy 22.3005, 0.4562, 0.3787 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, 112, 76) }
```

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

```
.border{ border-color:rgb(184, 112, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 112, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 112, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 112, 76);  
box-shadow:4px 4px 4px 4px rgb(184, 112,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3005, 0.4562, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 112, 76) }
```

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

```
.background{ background-color: rgb(184,  
112, 76) }
```

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