

Converting Colors

$Y_{xy}(22.3763, 0.4909, 0.4024)$

Have a look what the booklet for
Yxy(22.3763, 0.4909, 0.4024)
contains.

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Color

Yxy(22.4180, 0.4903, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	BD6F32
RGB	189, 111, 50
RGB Percent	74%, 44%, 20%
CMY	0.2588, 0.5647, 0.8040
CMYK	0.00, 0.41, 0.74, 0.26
HSL	26°, 58%, 47%
HSV	26°, 74%, 74%
XYZ	27.2473, 22.4180, 5.9074
YIQ	127.3680, 66.0690, -2.4350

Conversions

Conversions Part 2

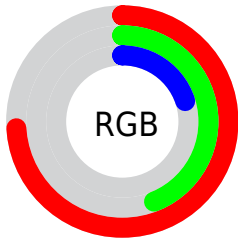
Format	Color
RYB	189, 159, 50
Decimal	12414770
CIELab	54.47, 25.94, 45.78
CIELCh	54, 52.622, 60.461
Yxy	22.4180, 0.4903, 0.4034
Android (android.graphics.Color)	4290604850 (0xFFBD6F32)
YUV	127.3680, -38.1424, 54.0513
Hunter-Lab	47.3477, 19.8634, 25.7460

Details

The Yxy color **22.4180, 0.4903, 0.4034** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **19.7887, 0.2047, 0.2223**, and the grayscale version is **21.4739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4385, 0.4546, 0.3934**, and **8.1911, 0.5430, 0.4070** is the 20% darker color. If you saturate the color by 10%, you get **20.1097, 0.5191, 0.4041**, and if you desaturate by 10%, it is **25.0708, 0.4601, 0.3982**.

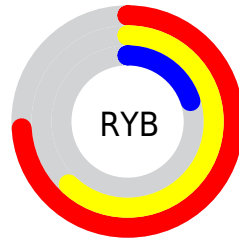
Distribution



Red (74%)

Green (44%)

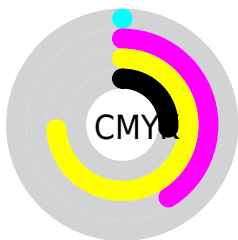
Blue (20%)



Red (74%)

Yellow (62%)

Blue (20%)

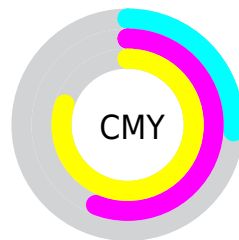


Cyan (0%)

Magenta (41%)

Yellow (74%)

Black (26%)



Cyan (26%)


Magenta (56%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4180, 0.4903, 0.4034 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 22.4180, 0.4903, 0.4034 by changing the saturation by 10% instead.


 22.4180, 0.4903,
0.4034


 22.4180, 0.4903,
0.4034


264.7215, 0.3940,
0.3712


 14.1644, 0.5145,
0.4072


 47.4359, 0.4545,
0.3942

 8.2351, 0.5443,
0.4084


 64.9689, 0.4412,
0.3898

 4.2457, 0.5903,
0.4097


 86.3639, 0.4300,
0.3858

 1.8120, 0.6201,
0.3799

 112.0052, 0.4205,
0.3823

 0.4946, 0.6958,
0.3042

 142.2772, 0.4125,
0.3790

 0.0000, 1.0000,
0.0000

 177.5643, 0.4055,

 0.0000, 0.0000,

0.3761

0.0000

218.2509, 0.3993,
0.3735

■ 22.4180, 0.4903,
0.4034

■ 22.4180, 0.4903,
0.4034

■ 20.1097, 0.5191,
0.4041

■ 25.0708, 0.4601,
0.3982

■ 18.1238, 0.5443,
0.3995

■ 28.0810, 0.4304,
0.3896

■ 16.9987, 0.5588,
0.3945

■ 31.4650, 0.4025,
0.3790

■ 35.2368, 0.3773,
0.3674

■ 39.4095, 0.3548,
0.3555

■ 43.9957, 0.3352,
0.3438

■ 49.0072, 0.3182,
0.3328

■ 54.4555, 0.3035,
0.3224

■ 60.3514, 0.2908,
0.3128

Harmonies

Analogous

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



22.4180, 0.4874, 0.3378



22.4180, 0.4903, 0.4034



22.4180, 0.4413, 0.4662

Triad

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



22.4180, 0.4903, 0.4034



22.4180, 0.2037, 0.3792



22.4180, 0.2426, 0.1983

Complementary

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



22.4180, 0.4903, 0.4034



19.7887, 0.2047, 0.2223

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.



22.4180, 0.1850, 0.1938



22.4180, 0.4903, 0.4034



22.4180, 0.1643, 0.2809

Square

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



22.4180, 0.4903, 0.4034



22.4180, 0.2757, 0.4735



22.4180, 0.1591, 0.2189



22.4180, 0.3296, 0.2276

Rectangle

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



22.4180, 0.4903, 0.4034



22.4180, 0.3908, 0.4959



22.4180, 0.1591, 0.2189



22.4180, 0.2198, 0.1938

Sweetspot

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



22.4192, 0.4903, 0.4034



71.5234, 0.3523, 0.3541



14.6786, 0.4145, 0.2334



14.9252, 0.3580, 0.3573



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.4192, 0.4903, 0.4034



33.8633, 0.5344, 0.4021



43.5862, 0.4164, 0.4797



10.2068, 0.3278, 0.3391



11.5835, 0.5566, 0.3962



0.5841, 0.5157, 0.4287

Inverse Universe

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



19.7887, 0.2047, 0.2223



28.7404, 0.1900, 0.1956



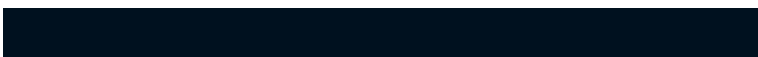
7.5068, 0.1762, 0.1095



10.0894, 0.2984, 0.3187



9.5689, 0.1835, 0.1805



0.5030, 0.1943, 0.2196

Previews

White Background



This preview shows how the Yxy color 22.4180, 0.4903, 0.4034 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 22.4180, 0.4903, 0.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

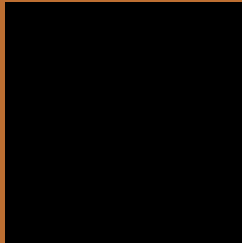
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4180, 0.4903, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 22.4180, 0.4903, 0.4034.



This preview shows how white text looks on a background with the Yxy color 22.4180, 0.4903, 0.4034.

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

22.4180, 0.4903, 0.4034

Protanopia

22.5379, 0.4097, 0.4503

Deuteranopia

22.3991, 0.4479, 0.4400



Tritanopia

22.2769, 0.4233, 0.3184

Trichromacy



Original Color

22.4180, 0.4903, 0.4034

Protanomaly

22.2587, 0.4389, 0.4328

Deuteranomaly

22.1695, 0.4640, 0.4264

Tritanomaly

22.3130, 0.4523, 0.3535

Monochromacy



Original Color

22.4180, 0.4903, 0.4034

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.0596, 0.3771, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4180, 0.4903, 0.4034 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(189, 111, 50)` looks like.

```
.text, #text, p{  
    color:rgb(189, 111, 50)  
}
```

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(189, 111, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 111, 50) }
```

Border

The CSS property to change the border of an element to Yxy 22.4180, 0.4903, 0.4034 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(189, 111, 50) }
```

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

```
.border{ border-color:rgb(189, 111, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 111, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 111, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 111, 50);  
box-shadow:4px 4px 4px 4px rgb(189, 111,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4180, 0.4903, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 111, 50) }
```

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

```
.background{ background-color: rgb(189,  
111, 50) }
```

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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