

Converting Colors

$Y_{xy}(23.3468, 0.4747, 0.3919)$

Have a look what the booklet for
Yxy(23.3468, 0.4747, 0.3919)
contains.

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Color

Yxy(23.3634, 0.4733, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	BE7241
RGB	190, 114, 65
RGB Percent	75%, 45%, 25%
CMY	0.2549, 0.5529, 0.7450
CMYK	0.00, 0.40, 0.66, 0.25
HSL	24°, 49%, 50%
HSV	24°, 66%, 75%
XYZ	28.2089, 23.3634, 8.0282
YIQ	131.1380, 61.0250, 0.8730

Conversions

Conversions Part 2

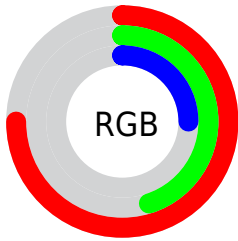
Format	Color
R_{YB}	190, 146, 65
Decimal	12481089
CIE Lab	55.44, 25.57, 39.32
CIE LCh	55, 46.897, 56.964
Yxy	23.3634, 0.4733, 0.3920
Android (android.graphics.Color)	4290671169 (0xFFBE7241)
YUV	131.1380, -32.6060, 51.6220
Hunter-Lab	48.3357, 19.5859, 23.9874

Details

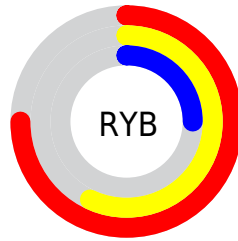
The Yxy color **23.3634, 0.4733, 0.3920** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **23.9043, 0.2163, 0.2461**, and the grayscale version is **22.8528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8113, 0.4407, 0.3835**, and **8.7298, 0.5259, 0.3987** is the 20% darker color. If you saturate the color by 10%, you get **20.7358, 0.5057, 0.3953**, and if you desaturate by 10%, it is **26.3969, 0.4413, 0.3852**.

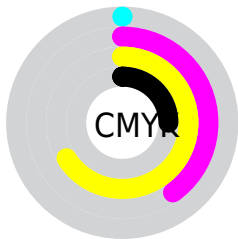
Distribution



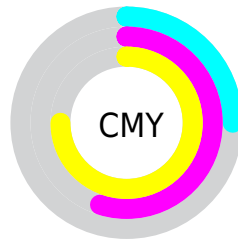
- Red (75%)
- Green (45%)
- Blue (25%)



- Red (75%)
- Yellow (57%)
- Blue (25%)



- Cyan (0%)
- Magenta (40%)
- Yellow (66%)
- Black (25%)




- Cyan (25%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3634, 0.4733, 0.3920 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 23.3634, 0.4733, 0.3920 by changing the saturation by 10% instead.


 23.3634, 0.4733,
0.3920


 23.3634, 0.4733,
0.3920


269.5860, 0.3853,
0.3638

 14.8621, 0.4965,
0.3962


 48.9893, 0.4400,
0.3834


 8.7226, 0.5261,
0.3990


 66.8827, 0.4279,
0.3796

 4.5607, 0.5703,
0.4017

 88.6756, 0.4177,
0.3762

 1.9919, 0.6148,
0.3852

 114.7524, 0.4092,
0.3731

 0.6028, 0.6746,
0.3254

 145.4974, 0.4019,
0.3704

 0.0000, 1.0000,
0.0000

181.2951, 0.3956,

 0.0000, 0.0000,

0.3680

0.0000

222.5298, 0.3901,
0.3658

■ 23.3634, 0.4733,
0.3920

■ 23.3634, 0.4733,
0.3920

■ 20.7358, 0.5057,
0.3953

■ 26.3969, 0.4413,
0.3852

■ 18.4904, 0.5362,
0.3939

■ 29.8510, 0.4113,
0.3760

■ 16.6057, 0.5622,
0.3873

■ 33.7438, 0.3842,
0.3658

■ 15.9059, 0.5723,
0.3838

■ 38.0912, 0.3604,
0.3551

■ 42.9083, 0.3396,
0.3446

■ 48.2095, 0.3218,
0.3345

■ 54.0082, 0.3066,
0.3251

■ 60.3177, 0.2935,
0.3164

■ 67.1506, 0.2823,
0.3084

Harmonies

Analogous

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



23.3634, 0.4627, 0.3323



23.3634, 0.4733, 0.3920



23.3634, 0.4360, 0.4478

Triad

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



23.3634, 0.4733, 0.3920



23.3634, 0.2225, 0.3841



23.3634, 0.2431, 0.2093

Complementary

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



23.3634, 0.4733, 0.3920



23.9043, 0.2163, 0.2461

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.



23.3634, 0.1937, 0.2088



23.3634, 0.4733, 0.3920



23.3634, 0.1821, 0.2968

Square

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



23.3634, 0.4733, 0.3920



23.3634, 0.2904, 0.4602



23.3634, 0.1732, 0.2363



23.3634, 0.3184, 0.2336

Rectangle

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



23.3634, 0.4733, 0.3920



23.3634, 0.3932, 0.4741



23.3634, 0.1732, 0.2363



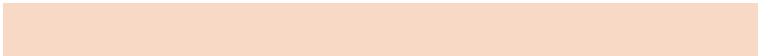
23.3634, 0.2234, 0.2063

Sweetspot

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



23.3646, 0.4733, 0.3920



73.6711, 0.3487, 0.3493



16.6883, 0.3887, 0.2315



15.6372, 0.3547, 0.3523



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



23.3646, 0.4733, 0.3920



35.6564, 0.5198, 0.3953



42.1568, 0.4136, 0.4637



10.1331, 0.3279, 0.3380



10.7187, 0.5699, 0.3857



0.5478, 0.5257, 0.4208

Inverse Universe

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



23.9043, 0.2163, 0.2461



36.5106, 0.2012, 0.2241



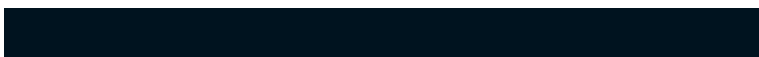
10.5234, 0.1913, 0.1406



10.1648, 0.2984, 0.3198



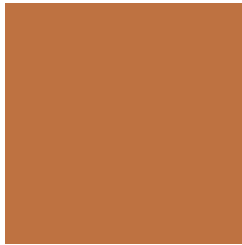
10.8658, 0.1880, 0.1969



0.5495, 0.1978, 0.2320

Previews

White Background



This preview shows how the Yxy color 23.3634, 0.4733, 0.3920 looks on a white background.

Color Contrast Check

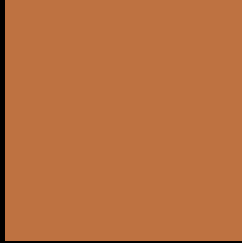
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3634, 0.4733, 0.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

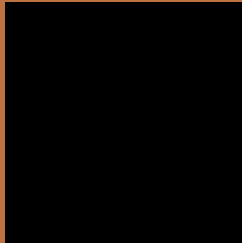
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3634, 0.4733, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 23.3634, 0.4733, 0.3920.



This preview shows how white text looks on a background with the Yxy color 23.3634, 0.4733, 0.3920.

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

23.3634, 0.4733, 0.3920

Protanopia

23.4330, 0.3967, 0.4312

Deuteranopia

23.5259, 0.4333, 0.4251



Tritanopia

23.3235, 0.4165, 0.3184

Trichromacy



Original Color

23.3634, 0.4733, 0.3920

Protanomaly

23.1379, 0.4250, 0.4159

Deuteranomaly

23.2766, 0.4484, 0.4123

Tritanomaly

23.2214, 0.4403, 0.3469

Monochromacy



Original Color

23.3634, 0.4733, 0.3920

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.4042, 0.3678, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3634, 0.4733, 0.3920 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(190, 114, 65)` looks like.

```
.text, #text, p{  
    color:rgb(190, 114, 65)  
}
```

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(190, 114, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 114, 65) }
```

Border

The CSS property to change the border of an element to Yxy 23.3634, 0.4733, 0.3920 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(190, 114, 65) }
```

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

```
.border{ border-color:rgb(190, 114, 65) }
```

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

Here you see how a box with a 4 pixel rgb(190, 114, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 114, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 114, 65);  
box-shadow:4px 4px 4px 4px rgb(190, 114,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3634, 0.4733, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 114, 65) }
```

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

```
.background{ background-color: rgb(190,  
114, 65) }
```

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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