

Converting Colors

$Y_{xy}(23.8934, 0.4711, 0.3801)$

Have a look what the booklet for
Yxy(23.8934, 0.4711, 0.3801)
contains.

Yxy(23.8934, 0.4711, 0.3801)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8934, 0.4711, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	C37149
RGB	195, 113, 73
RGB Percent	76%, 44%, 29%
CMY	0.2353, 0.5568, 0.7137
CMYK	0.00, 0.42, 0.63, 0.24
HSL	20°, 50%, 53%
HSV	20°, 63%, 76%
XYZ	29.6137, 23.8934, 9.3537
YIQ	132.9580, 61.7120, 4.9440

Conversions

Conversions Part 2

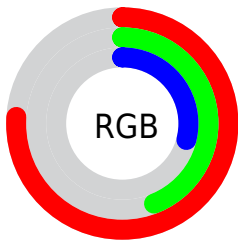
Format	Color
RYB	195, 133, 73
Decimal	12808521
CIELab	55.98, 28.70, 35.86
CIELCh	56, 45.930, 51.324
Yxy	23.8934, 0.4711, 0.3801
Android (android.graphics.Color)	4290998601 (0xFFC37149)
YUV	132.9580, -29.5593, 54.4108
Hunter-Lab	48.8809, 22.6000, 22.8711

Details

The Yxy color **23.8934, 0.4711, 0.3801** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **28.7974, 0.2231, 0.2641**, and the grayscale version is **23.5329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9625, 0.4371, 0.3736**, and **9.0643, 0.5244, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **20.9589, 0.5067, 0.3833**, and if you desaturate by 10%, it is **27.3337, 0.4369, 0.3739**.

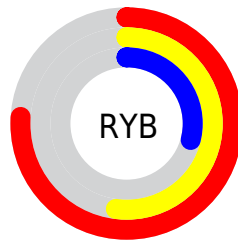
Distribution



Red (76%)

Green (44%)

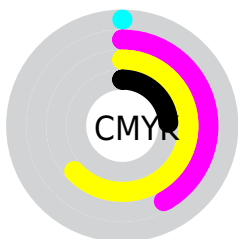
Blue (29%)



Red (76%)

Yellow (52%)

Blue (29%)

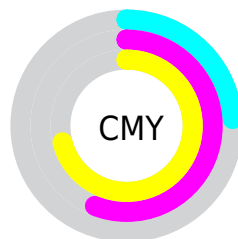


Cyan (0%)

Magenta (42%)

Yellow (63%)

Black (24%)



Cyan (24%)


Magenta (56%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8934, 0.4711, 0.3801 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 23.8934, 0.4711, 0.3801 by changing the saturation by 10% instead.


 23.8934, 0.4711,
0.3801


 23.8934, 0.4711,
0.3801


272.2811, 0.3839,
0.3580


 15.2546, 0.4945,
0.3831


 49.8562, 0.4379,
0.3736


 8.9982, 0.5249,
0.3847


 67.9489, 0.4258,
0.3706

 4.7400, 0.5664,
0.3831

 89.9618, 0.4158,
0.3679

 2.0956, 0.6264,
0.3736

 116.2791, 0.4074,
0.3655

 0.6621, 0.6836,
0.3164

 147.2853, 0.4002,
0.3633

 0.0000, 1.0000,
0.0000

183.3648, 0.3941,

 0.0000, 0.0000,

0.3613

0.0000

224.9019, 0.3887,
0.3596

■ 23.8934, 0.4711,
0.3801

■ 23.8934, 0.4711,
0.3801

■ 20.9589, 0.5067,
0.3833

■ 27.3337, 0.4369,
0.3739

■ 18.5008, 0.5411,
0.3823

■ 31.3000, 0.4056,
0.3659

■ 16.4913, 0.5711,
0.3765

■ 35.8157, 0.3780,
0.3571

■ 15.2629, 0.5898,
0.3699

■ 40.9014, 0.3542,
0.3481

■ 46.5770, 0.3339,
0.3393

■ 52.8609, 0.3167,
0.3310

■ 59.7712, 0.3021,
0.3233

■ 67.3247, 0.2898,
0.3163

■ 75.5380, 0.2793,
0.3098

Harmonies

Analogous

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



23.8934, 0.4508, 0.3219



23.8934, 0.4711, 0.3801



23.8934, 0.4429, 0.4361

Triad

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



23.8934, 0.4711, 0.3801



23.8934, 0.2358, 0.3988



23.8934, 0.2337, 0.2101

Complementary

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



23.8934, 0.4711, 0.3801



28.7974, 0.2231, 0.2641

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.



23.8934, 0.1905, 0.2145



23.8934, 0.4711, 0.3801



23.8934, 0.1904, 0.3126

Square

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



23.8934, 0.4711, 0.3801



23.8934, 0.3055, 0.4646



23.8934, 0.1757, 0.2474



23.8934, 0.3032, 0.2298

Rectangle

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



23.8934, 0.4711, 0.3801



23.8934, 0.4043, 0.4648



23.8934, 0.1757, 0.2474



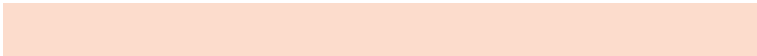
23.8934, 0.2161, 0.2087

Sweetspot

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



23.8946, 0.4711, 0.3801



76.4609, 0.3472, 0.3452



18.7798, 0.3711, 0.2254



16.1168, 0.3535, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.8946, 0.4711, 0.3801



35.8575, 0.5194, 0.3835



41.8304, 0.4160, 0.4510



10.6053, 0.3281, 0.3366



10.0579, 0.5873, 0.3719



0.5622, 0.5431, 0.4070

Inverse Universe

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



28.7974, 0.2231, 0.2641



45.1016, 0.2093, 0.2472



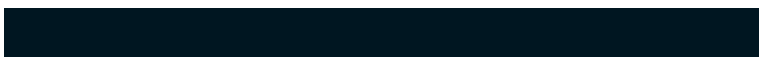
13.6069, 0.1998, 0.1626



10.8537, 0.2984, 0.3213



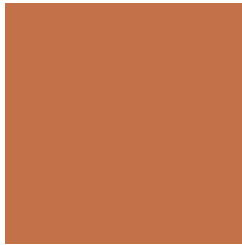
13.2797, 0.1943, 0.2193



0.6952, 0.2019, 0.2467

Previews

White Background



This preview shows how the Yxy color 23.8934, 0.4711, 0.3801 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 23.8934, 0.4711, 0.3801 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 23.8934, 0.4711, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 23.8934, 0.4711, 0.3801.



This preview shows how white text looks on a background with the Yxy color 23.8934, 0.4711, 0.3801.

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

23.8934, 0.4711, 0.3801

Protanopia

24.1251, 0.3852, 0.4190

Deuteranopia

23.8799, 0.4245, 0.4164



Tritanopia

23.9918, 0.4225, 0.3187

Trichromacy



Original Color

23.8934, 0.4711, 0.3801

Protanomaly

23.6213, 0.4158, 0.4046

Deuteranomaly

23.8510, 0.4416, 0.4031

Tritanomaly

23.9423, 0.4421, 0.3426

Monochromacy



Original Color

23.8934, 0.4711, 0.3801

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1373, 0.3675, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8934, 0.4711, 0.3801 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(195, 113, 73)` looks like.

```
.text, #text, p{  
    color:rgb(195, 113, 73)  
}
```

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(195, 113, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 113, 73) }
```

Border

The CSS property to change the border of an element to Yxy 23.8934, 0.4711, 0.3801 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(195, 113, 73) }
```

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

```
.border{ border-color:rgb(195, 113, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 113, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 113, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 113, 73);  
box-shadow:4px 4px 4px 4px rgb(195, 113,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8934, 0.4711, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 113, 73) }
```

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

```
.background{ background-color: rgb(195,  
113, 73) }
```

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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