

Converting Colors

$Y_{xy}(23.7911, 0.5044, 0.3971)$

Have a look what the booklet for
Yxy(23.7911, 0.5044, 0.3971)
contains.

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Color

Yxy(23.7911, 0.5044, 0.3971)

Conversions

Conversions Part 1

Format	Color
Hex	C96E31
RGB	201, 110, 49
RGB Percent	79%, 43%, 19%
CMY	0.2117, 0.5686, 0.8080
CMYK	0.00, 0.45, 0.76, 0.21
HSL	24°, 61%, 49%
HSV	24°, 76%, 79%
XYZ	30.2197, 23.7911, 5.9013
YIQ	130.2550, 73.8170, 0.3210

Conversions

Conversions Part 2

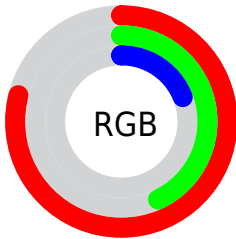
Format	Color
R _Y B	201, 151, 49
Decimal	13200945
CIE Lab	55.88, 31.44, 48.24
CIE LCh	56, 57.582, 56.904
Yxy	23.7911, 0.5044, 0.3971
Android (android.graphics.Color)	4291391025 (0xFFC96E31)
YUV	130.2550, -40.0587, 62.0434
Hunter-Lab	48.7761, 25.2330, 26.9699

Details

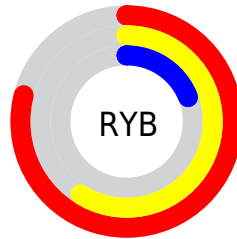
The Yxy color **23.7911, 0.5044, 0.3971** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.6203, 0.2047, 0.2282**, and the grayscale version is **22.5428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3552, 0.4597, 0.3928**, and **9.0002, 0.5568, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **21.2364, 0.5345, 0.3958**, and if you desaturate by 10%, it is **26.7766, 0.4723, 0.3936**.

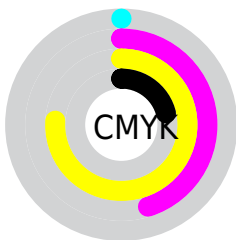
Distribution



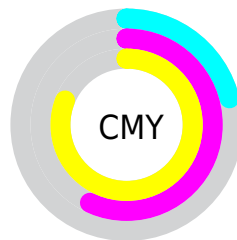
- Red (79%)
- Green (43%)
- Blue (19%)



- Red (79%)
- Yellow (59%)
- Blue (19%)



- Cyan (0%)
- Magenta (45%)
- Yellow (76%)
- Black (21%)





- Cyan (21%)
- Magenta (57%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7911, 0.5044, 0.3971 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 23.7911, 0.5044, 0.3971 by changing the saturation by 10% instead.

 23.7911, 0.5044,
0.3971

 23.7911, 0.5044,
0.3971


271.7626, 0.4016,
0.3702


 15.1787, 0.5297,
0.3989


 49.6891, 0.4666,
0.3904


 8.9449, 0.5604,
0.3973


 67.7435, 0.4524,
0.3868


 4.7053, 0.6061,
0.3939

 89.7140, 0.4405,
0.3834

 2.0754, 0.6382,
0.3618

 115.9851, 0.4303,
0.3803

 0.6507, 0.6991,
0.3009

 146.9411, 0.4216,
0.3774

 0.0000, 1.0000,
0.0000

 182.9665, 0.4141,

 0.0000, 0.0000,

0.3748

0.0000

224.4455, 0.4075,
0.3724

■ 23.7911, 0.5044,
0.3971

■ 23.7911, 0.5044,
0.3971

■ 21.2364, 0.5345,
0.3958

■ 26.7766, 0.4723,
0.3936

■ 19.0835, 0.5601,
0.3892

■ 30.2113, 0.4406,
0.3866

■ 18.2577, 0.5702,
0.3854

■ 34.1168, 0.4108,
0.3772

■ 38.5119, 0.3839,
0.3666

■ 43.4144, 0.3601,
0.3557

■ 48.8409, 0.3394,
0.3449

■ 54.8073, 0.3216,
0.3345

■ 61.3287, 0.3063,
0.3249

■ 68.4197, 0.2932,
0.3159

Harmonies

Analogous

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



23.7911, 0.4950, 0.3287



23.7911, 0.5044, 0.3971



23.7911, 0.4561, 0.4657

Triad

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



23.7911, 0.5044, 0.3971



23.7911, 0.2036, 0.3965



23.7911, 0.2289, 0.1890

Complementary

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



23.7911, 0.5044, 0.3971



23.6203, 0.2047, 0.2282

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.



23.7911, 0.1727, 0.1873



23.7911, 0.5044, 0.3971



23.7911, 0.1585, 0.2872

Square

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



23.7911, 0.5044, 0.3971



23.7911, 0.2825, 0.4939



23.7911, 0.1496, 0.2170



23.7911, 0.3181, 0.2168

Rectangle

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



23.7911, 0.5044, 0.3971



23.7911, 0.4041, 0.5022



23.7911, 0.1496, 0.2170



23.7911, 0.2063, 0.1853

Sweetspot

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



23.7924, 0.5044, 0.3971



76.3914, 0.3551, 0.3531



16.5123, 0.4104, 0.2264



15.6546, 0.3631, 0.3571



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.



23.7924, 0.5044, 0.3971



33.8346, 0.5521, 0.3920



47.6775, 0.4228, 0.4781



11.3241, 0.3280, 0.3383



11.6470, 0.5677, 0.3875



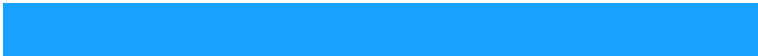
0.6927, 0.5297, 0.4176

Inverse Universe

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



23.6203, 0.2047, 0.2282



33.1908, 0.1910, 0.2026



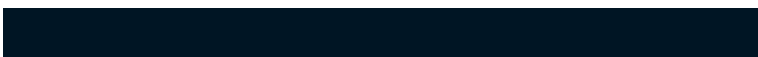
8.5560, 0.1741, 0.1091



11.3256, 0.2984, 0.3195



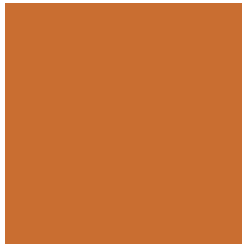
11.3291, 0.1870, 0.1932



0.6756, 0.1957, 0.2245

Previews

White Background



This preview shows how the Yxy color 23.7911, 0.5044, 0.3971 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 23.7911, 0.5044, 0.3971 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 23.7911, 0.5044, 0.3971

Background



This preview shows how black text looks on a background with the Yxy color 23.7911, 0.5044, 0.3971.



This preview shows how white text looks on a background with the Yxy color 23.7911, 0.5044, 0.3971.

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

23.7911, 0.5044, 0.3971

Protanopia

24.0975, 0.4120, 0.4522

Deuteranopia

23.9450, 0.4505, 0.4435



Tritanopia

23.6856, 0.4397, 0.3192

Trichromacy



Original Color

23.7911, 0.5044, 0.3971

Protanomaly

23.6138, 0.4471, 0.4316

Deuteranomaly

23.5753, 0.4714, 0.4249

Tritanomaly

23.7092, 0.4680, 0.3518

Monochromacy



Original Color

23.7911, 0.5044, 0.3971

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.1734, 0.3813, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7911, 0.5044, 0.3971 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(201, 110, 49)` looks like.

```
.text, #text, p{  
    color:rgb(201, 110, 49)  
}
```

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(201, 110, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 110, 49) }
```

Border

The CSS property to change the border of an element to Yxy 23.7911, 0.5044, 0.3971 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(201, 110, 49) }
```

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

```
.border{ border-color:rgb(201, 110, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 110, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 110, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 110, 49);  
box-shadow:4px 4px 4px 4px rgb(201, 110,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7911, 0.5044, 0.3971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 110, 49) }
```

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

```
.background{ background-color: rgb(201,  
110, 49) }
```

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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