

Converting Colors

$Y_{xy}(23.7488, 0.4886, 0.3936)$

Have a look what the booklet for
Yxy(23.7488, 0.4886, 0.3936)
contains.

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Color

Yxy(23.6399, 0.4880, 0.3931)

Conversions

Conversions Part 1

Format	Color
Hex	C4703B
RGB	196, 112, 59
RGB Percent	77%, 44%, 23%
CMY	0.2314, 0.5607, 0.7687
CMYK	0.00, 0.43, 0.70, 0.23
HSL	23°, 54%, 50%
HSV	23°, 70%, 77%
XYZ	29.3469, 23.6399, 7.1503
YIQ	131.0740, 67.0770, 1.3250

Conversions

Conversions Part 2

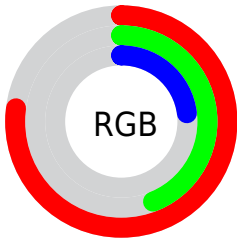
Format	Color
RYB	196, 145, 59
Decimal	12873787
CIELab	55.73, 28.78, 42.97
CIELCh	56, 51.723, 56.188
Yxy	23.6399, 0.4880, 0.3931
Android (android.graphics.Color)	4291063867 (0xFFC4703B)
YUV	131.0740, -35.5325, 56.9401
Hunter-Lab	48.6209, 22.6537, 25.3153

Details

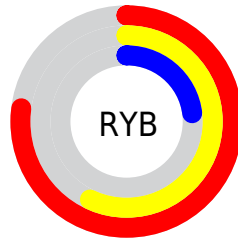
The Yxy color **23.6399, 0.4880, 0.3931** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.5467, 0.2117, 0.2408**, and the grayscale version is **22.8365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2530, 0.4508, 0.3868**, and **8.8931, 0.5428, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **20.9978, 0.5202, 0.3944**, and if you desaturate by 10%, it is **26.7145, 0.4553, 0.3877**.

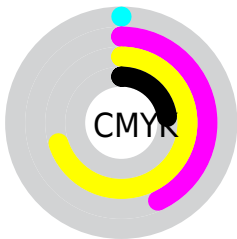
Distribution



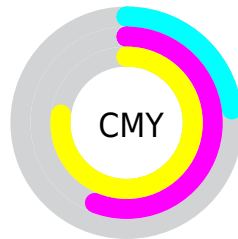
- Red (77%)
- Green (44%)
- Blue (23%)



- Red (77%)
- Yellow (57%)
- Blue (23%)



- Cyan (0%)
- Magenta (43%)
- Yellow (70%)
- Black (23%)





- Cyan (23%)
- Magenta (56%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6399, 0.4880, 0.3931 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 23.6399, 0.4880, 0.3931 by changing the saturation by 10% instead.


 23.6399, 0.4880,
0.3931


 23.6399, 0.4880,
0.3931


270.9948, 0.3928,
0.3660


 15.0667, 0.5124,
0.3962


 49.4419, 0.4524,
0.3855


 8.8662, 0.5430,
0.3969


 67.4396, 0.4392,
0.3819


 4.6540, 0.5924,
0.3993

 89.3475, 0.4282,
0.3785

 2.0457, 0.6277,
0.3723

 115.5500, 0.4189,
0.3755

 0.6338, 0.6876,
0.3124

 146.4317, 0.4109,
0.3727

 0.0000, 1.0000,
0.0000

 182.3767, 0.4041,

 0.0000, 0.0000,

0.3703

0.0000

223.7697, 0.3981,
0.3680

■ 23.6399, 0.4880,
0.3931

■ 23.6399, 0.4880,
0.3931

■ 20.9978, 0.5202,
0.3944

■ 26.7145, 0.4553,
0.3877

■ 18.7615, 0.5493,
0.3907

■ 30.2388, 0.4240,
0.3795

■ 16.9003, 0.5737,
0.3825

■ 34.2330, 0.3954,
0.3697

■ 16.8849, 0.5740,
0.3825

■ 38.7153, 0.3701,
0.3592

■ 43.7023, 0.3480,
0.3487

■ 49.2103, 0.3289,
0.3385

■ 55.2543, 0.3126,
0.3289

■ 61.8490, 0.2986,
0.3200

■ 69.0084, 0.2867,
0.3118

Harmonies

Analogous

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



23.6399, 0.4762, 0.3293



23.6399, 0.4880, 0.3931



23.6399, 0.4470, 0.4550

Triad

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



23.6399, 0.4880, 0.3931



23.6399, 0.2155, 0.3922



23.6399, 0.2349, 0.1996

Complementary

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



23.6399, 0.4880, 0.3931



24.5467, 0.2117, 0.2408

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.



23.6399, 0.1831, 0.1992



23.6399, 0.4880, 0.3931



23.6399, 0.1719, 0.2947

Square

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



23.6399, 0.4880, 0.3931



23.6399, 0.2891, 0.4765



23.6399, 0.1621, 0.2287



23.6399, 0.3160, 0.2250

Rectangle

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



23.6399, 0.4880, 0.3931



23.6399, 0.4004, 0.4862



23.6399, 0.1621, 0.2287



23.6399, 0.2142, 0.1965

Sweetspot

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



23.6411, 0.4880, 0.3931



77.8351, 0.3509, 0.3502



16.8578, 0.3959, 0.2276



16.1054, 0.3569, 0.3531



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.



23.6411, 0.4880, 0.3931



35.7614, 0.5365, 0.3931



44.6963, 0.4187, 0.4693



10.7029, 0.3279, 0.3380



11.0059, 0.5715, 0.3844



0.6094, 0.5300, 0.4174

Inverse Universe

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



24.5467, 0.2117, 0.2408



37.2267, 0.1973, 0.2177



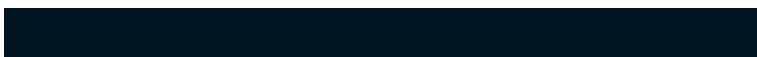
9.9411, 0.1840, 0.1281



10.7525, 0.2984, 0.3199



11.3840, 0.1885, 0.1984



0.6223, 0.1974, 0.2308

Previews

White Background



This preview shows how the Yxy color 23.6399, 0.4880, 0.3931 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 23.6399, 0.4880, 0.3931 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 23.6399, 0.4880, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 23.6399, 0.4880, 0.3931.



This preview shows how white text looks on a background with the Yxy color 23.6399, 0.4880, 0.3931.

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

23.6399, 0.4880, 0.3931

Protanopia

23.7394, 0.4019, 0.4392

Deuteranopia

23.6701, 0.4419, 0.4320



Tritanopia

23.6424, 0.4291, 0.3202

Trichromacy



Original Color

23.6399, 0.4880, 0.3931

Protanomaly

23.2799, 0.4334, 0.4226

Deuteranomaly

23.6696, 0.4596, 0.4179

Tritanomaly

23.5212, 0.4542, 0.3488

Monochromacy



Original Color

23.6399, 0.4880, 0.3931

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.4038, 0.3746, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6399, 0.4880, 0.3931 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(196, 112, 59)` looks like.

```
.text, #text, p{  
    color:rgb(196, 112, 59)  
}
```

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(196, 112, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 112, 59) }
```

Border

The CSS property to change the border of an element to Yxy 23.6399, 0.4880, 0.3931 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(196, 112, 59) }
```

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

```
.border{ border-color:rgb(196, 112, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 112, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 112, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 112, 59);  
box-shadow:4px 4px 4px 4px rgb(196, 112,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6399, 0.4880, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 112, 59) }
```

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

```
.background{ background-color: rgb(196,  
112, 59) }
```

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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