

Converting Colors

$Y_{xy}(23.1959, 0.4935, 0.3858)$

Have a look what the booklet for
Yxy(23.1959, 0.4935, 0.3858)
contains.

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Color

Yxy(23.1935, 0.4946, 0.3859)

Conversions

Conversions Part 1

Format	Color
Hex	C76C3C
RGB	199, 108, 60
RGB Percent	78%, 42%, 24%
CMY	0.2197, 0.5764, 0.7648
CMYK	0.00, 0.46, 0.70, 0.22
HSL	21°, 55%, 51%
HSV	21°, 70%, 78%
XYZ	29.7266, 23.1935, 7.1822
YIQ	129.7370, 69.6440, 4.3640

Conversions

Conversions Part 2

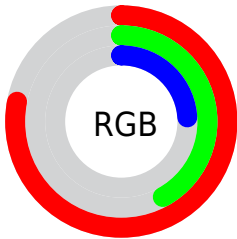
Format	Color
RYB	199, 133, 60
Decimal	13069372
CIELab	55.27, 32.19, 42.07
CIELCh	55, 52.975, 52.578
Yxy	23.1935, 0.4946, 0.3859
Android (android.graphics.Color)	4291259452 (0xFFC76C3C)
YUV	129.7370, -34.3803, 60.7437
Hunter-Lab	48.1596, 25.9001, 24.8696

Details

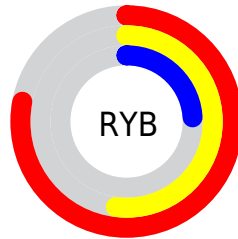
The Yxy color **23.1935, 0.4946, 0.3859** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.1957, 0.2141, 0.2507**, and the grayscale version is **22.3317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8539, 0.4528, 0.3819**, and **8.6281, 0.5538, 0.3855** is the 20% darker color. If you saturate the color by 10%, you get **20.4774, 0.5288, 0.3864**, and if you desaturate by 10%, it is **26.4014, 0.4599, 0.3814**.

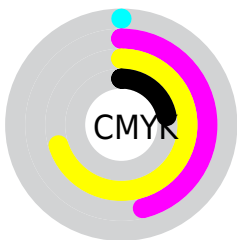
Distribution



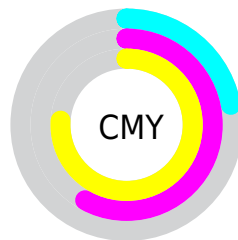
- Red (78%)
- Green (42%)
- Blue (24%)



- Red (78%)
- Yellow (52%)
- Blue (24%)



- Cyan (0%)
- Magenta (46%)
- Yellow (70%)
- Black (22%)





- Cyan (22%)
- Magenta (58%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1935, 0.4946, 0.3859 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 23.1935, 0.4946, 0.3859 by changing the saturation by 10% instead.


 23.1935, 0.4946,
0.3859

 23.1935, 0.4946,
0.3859


268.7173, 0.3953,
0.3631


 14.7365, 0.5203,
0.3877


 48.7109, 0.4573,
0.3800


 8.6346, 0.5527,
0.3867

 66.5400, 0.4435,
0.3770


 4.5036, 0.6047,
0.3863

 88.2619, 0.4321,
0.3741

 1.9591, 0.6438,
0.3562

 114.2610, 0.4224,
0.3715

 0.5835, 0.7124,
0.2876

 144.9217, 0.4141,
0.3691

 0.0000, 1.0000,
0.0000

 180.6284, 0.4070,

 0.0000, 0.0000,

0.3669

0.0000

221.7654, 0.4007,
0.3649

■ 23.1935, 0.4946,
0.3859

■ 23.1935, 0.4946,
0.3859

■ 20.4774, 0.5288,
0.3864

■ 26.4014, 0.4599,
0.3814

■ 18.2218, 0.5596,
0.3821

■ 30.1224, 0.4270,
0.3742

■ 16.3909, 0.5850,
0.3735

■ 34.3806, 0.3972,
0.3654

■ 16.3671, 0.5854,
0.3734

■ 39.1976, 0.3709,
0.3560

■ 44.5936, 0.3483,
0.3466

■ 50.5878, 0.3289,
0.3375

■ 57.1983, 0.3125,
0.3289

■ 64.4426, 0.2985,
0.3209

■ 72.3373, 0.2867,
0.3136

Harmonies

Analogous

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



23.1935, 0.4756, 0.3212



23.1935, 0.4946, 0.3859



23.1935, 0.4575, 0.4505

Triad

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



23.1935, 0.4946, 0.3859



23.1935, 0.2203, 0.4068



23.1935, 0.2247, 0.1950

Complementary

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



23.1935, 0.4946, 0.3859



27.1957, 0.2141, 0.2507

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.



23.1935, 0.1757, 0.1978



23.1935, 0.4946, 0.3859



23.1935, 0.1718, 0.3041

Square

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



23.1935, 0.4946, 0.3859



23.1935, 0.2982, 0.4881



23.1935, 0.1580, 0.2317



23.1935, 0.3046, 0.2181

Rectangle

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



23.1935, 0.4946, 0.3859



23.1935, 0.4115, 0.4857



23.1935, 0.1580, 0.2317



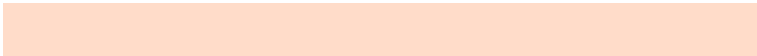
23.1935, 0.2048, 0.1929

Sweetspot

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



23.1947, 0.4946, 0.3859



76.6626, 0.3514, 0.3479



17.6570, 0.3846, 0.2199



15.8290, 0.3575, 0.3506



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.



23.1947, 0.4946, 0.3859



33.6419, 0.5460, 0.3847



43.4419, 0.4246, 0.4629



11.2264, 0.3281, 0.3370



10.6755, 0.5829, 0.3753



0.6409, 0.5423, 0.4076

Inverse Universe

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



27.1957, 0.2141, 0.2507



40.7221, 0.2007, 0.2303



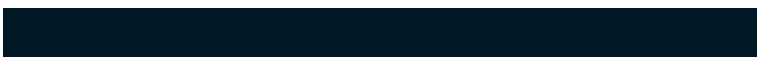
11.2917, 0.1864, 0.1378



11.4265, 0.2984, 0.3208



13.1241, 0.1925, 0.2129



0.7528, 0.2000, 0.2399

Previews

White Background



This preview shows how the Yxy color 23.1935, 0.4946, 0.3859 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 23.1935, 0.4946, 0.3859 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 23.1935, 0.4946, 0.3859

Background



This preview shows how black text looks on a background with the Yxy color 23.1935, 0.4946, 0.3859.



This preview shows how white text looks on a background with the Yxy color 23.1935, 0.4946, 0.3859.

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

23.1935, 0.4946, 0.3859

Protanopia

23.3955, 0.3996, 0.4356

Deuteranopia

23.2066, 0.4398, 0.4308



Tritanopia

23.1851, 0.4394, 0.3191

Trichromacy



Original Color

23.1935, 0.4946, 0.3859

Protanomaly

22.9039, 0.4347, 0.4168

Deuteranomaly

22.8362, 0.4610, 0.4134

Tritanomaly

23.0908, 0.4622, 0.3446

Monochromacy



Original Color

23.1935, 0.4946, 0.3859

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9076, 0.3756, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1935, 0.4946, 0.3859 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(199, 108, 60)` looks like.

```
.text, #text, p{  
    color:rgb(199, 108, 60)  
}
```

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(199, 108, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 108, 60) }
```

Border

The CSS property to change the border of an element to Yxy 23.1935, 0.4946, 0.3859 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(199, 108, 60) }
```

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

```
.border{ border-color:rgb(199, 108, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 108, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 108, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 108, 60);  
box-shadow:4px 4px 4px 4px rgb(199, 108,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1935, 0.4946, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 108, 60) }
```

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

```
.background{ background-color: rgb(199,  
108, 60) }
```

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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