

Converting Colors

$Y_{xy}(23.2688, 0.4909, 0.3845)$

Have a look what the booklet for
Yxy(23.2688, 0.4909, 0.3845)
contains.

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Color

Yxy(23.2908, 0.4904, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	C66D3E
RGB	198, 109, 62
RGB Percent	78%, 43%, 24%
CMY	0.2236, 0.5725, 0.7569
CMYK	0.00, 0.45, 0.69, 0.22
HSL	21°, 54%, 51%
HSV	21°, 69%, 78%
XYZ	29.6209, 23.2908, 7.4898
YIQ	130.2530, 68.1310, 4.2510

Conversions

Conversions Part 2

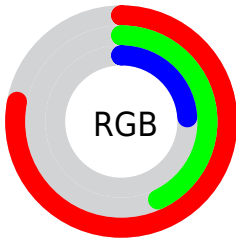
Format	Color
R _Y B	198, 134, 62
Decimal	13004094
CIE Lab	55.37, 31.36, 41.11
CIE LCh	55, 51.703, 52.659
Yxy	23.2908, 0.4904, 0.3856
Android (android.graphics.Color)	4291194174 (0xFFC66D3E)
YUV	130.2530, -33.6487, 59.4141
Hunter-Lab	48.2605, 25.1020, 24.5809

Details

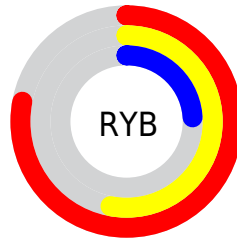
The Yxy color **23.2908, 0.4904, 0.3856** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.2113, 0.2153, 0.2522**, and the grayscale version is **22.5221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2484, 0.4504, 0.3810**, and **8.7524, 0.5474, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **20.5499, 0.5248, 0.3867**, and if you desaturate by 10%, it is **26.5204, 0.4558, 0.3807**.

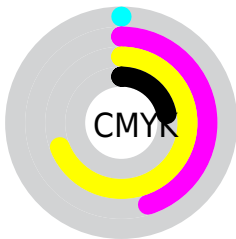
Distribution



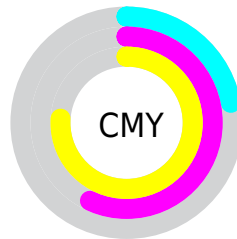
- Red (78%)
- Green (43%)
- Blue (24%)



- Red (78%)
- Yellow (53%)
- Blue (24%)



- Cyan (0%)
- Magenta (45%)
- Yellow (69%)
- Black (22%)





- Cyan (22%)
- Magenta (57%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2908, 0.4904, 0.3856 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 23.2908, 0.4904, 0.3856 by changing the saturation by 10% instead.


 23.2908, 0.4904,
0.3856


 23.2908, 0.4904,
0.3856


269.2151, 0.3932,
0.3625


 14.8084, 0.5157,
0.3877


 48.8704, 0.4538,
0.3794

 8.6850, 0.5478,
0.3873


 66.7363, 0.4404,
0.3763


 4.5363, 0.5976,
0.3867

 88.4989, 0.4292,
0.3734

 1.9779, 0.6399,
0.3601

 114.5425, 0.4197,
0.3708

 0.5946, 0.7065,
0.2935

 145.2515, 0.4116,
0.3684

 0.0000, 1.0000,
0.0000

 181.0104, 0.4046,

 0.0000, 0.0000,

0.3662

0.0000

222.2034, 0.3986,
0.3643

■ 23.2908, 0.4904,
0.3856

■ 23.2908, 0.4904,
0.3856

■ 20.5499, 0.5248,
0.3867

■ 26.5204, 0.4558,
0.3807

■ 18.2671, 0.5562,
0.3829

■ 30.2593, 0.4233,
0.3733

■ 16.4100, 0.5820,
0.3746

■ 34.5313, 0.3939,
0.3644

■ 16.1942, 0.5853,
0.3735

■ 39.3574, 0.3681,
0.3549

■ 44.7575, 0.3459,
0.3455

■ 50.7503, 0.3269,
0.3364

■ 57.3537, 0.3107,
0.3279

■ 64.5849, 0.2971,
0.3200

■ 72.4601, 0.2854,
0.3128

Harmonies

Analogous

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



23.2908, 0.4716, 0.3220



23.2908, 0.4904, 0.3856



23.2908, 0.4545, 0.4486

Triad

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



23.2908, 0.4904, 0.3856



23.2908, 0.2224, 0.4044



23.2908, 0.2269, 0.1977

Complementary

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



23.2908, 0.4904, 0.3856



27.2113, 0.2153, 0.2522

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.



23.2908, 0.1786, 0.2005



23.2908, 0.4904, 0.3856



23.2908, 0.1747, 0.3048

Square

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



23.2908, 0.4904, 0.3856



23.2908, 0.2988, 0.4834



23.2908, 0.1611, 0.2340



23.2908, 0.3052, 0.2205

Rectangle

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



23.2908, 0.4904, 0.3856



23.2908, 0.4097, 0.4824



23.2908, 0.1611, 0.2340



23.2908, 0.2073, 0.1956

Sweetspot

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



23.2920, 0.4904, 0.3856



76.6707, 0.3514, 0.3480



17.7338, 0.3829, 0.2210



15.8309, 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.



23.2920, 0.4904, 0.3856



34.4674, 0.5396, 0.3856



43.1289, 0.4230, 0.4614



11.2269, 0.3281, 0.3370



10.6800, 0.5828, 0.3754



0.6412, 0.5422, 0.4077

Inverse Universe

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



27.2113, 0.2153, 0.2522



41.5299, 0.2021, 0.2329



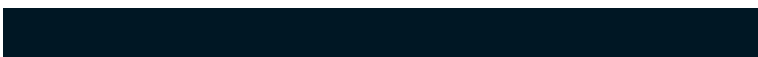
11.5418, 0.1883, 0.1412



11.4260, 0.2984, 0.3208



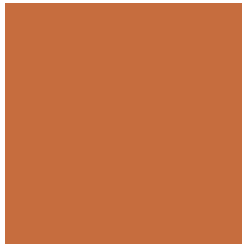
13.1144, 0.1925, 0.2128



0.7524, 0.2000, 0.2398

Previews

White Background



This preview shows how the Yxy color 23.2908, 0.4904, 0.3856 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 23.2908, 0.4904, 0.3856 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 23.2908, 0.4904, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 23.2908, 0.4904, 0.3856.



This preview shows how white text looks on a background with the Yxy color 23.2908, 0.4904, 0.3856.

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

23.2908, 0.4904, 0.3856

Protanopia

23.4203, 0.3977, 0.4327

Deuteranopia

23.4836, 0.4369, 0.4299



Tritanopia

23.2657, 0.4362, 0.3190

Trichromacy



Original Color

23.2908, 0.4904, 0.3856

Protanomaly

22.9275, 0.4327, 0.4142

Deuteranomaly

23.0958, 0.4580, 0.4126

Tritanomaly

23.1728, 0.4589, 0.3447

Monochromacy



Original Color

23.2908, 0.4904, 0.3856

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 23.2908, 0.4904, 0.3856 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(198, 109, 62)` looks like.

```
.text, #text, p{  
    color:rgb(198, 109, 62)  
}
```

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(198, 109, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 109, 62) }
```

Border

The CSS property to change the border of an element to Yxy 23.2908, 0.4904, 0.3856 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(198, 109, 62) }
```

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

```
.border{ border-color:rgb(198, 109, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 109, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 109, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 109, 62);  
box-shadow:4px 4px 4px 4px rgb(198, 109,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2908, 0.4904, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 109, 62) }
```

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

```
.background{ background-color: rgb(198,  
109, 62) }
```

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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