

Converting Colors

$Y_{xy}(24.3650, 0.4892, 0.3968)$

Have a look what the booklet for
Yxy(24.3650, 0.4892, 0.3968)
contains.

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Color

Yxy(24.3358, 0.4896, 0.3966)

Conversions

Conversions Part 1

Format	Color
Hex	C67239
RGB	198, 114, 57
RGB Percent	78%, 45%, 22%
CMY	0.2236, 0.5529, 0.7765
CMYK	0.00, 0.42, 0.71, 0.22
HSL	24°, 55%, 50%
HSV	24°, 71%, 78%
XYZ	30.0424, 24.3358, 6.9829
YIQ	132.6180, 68.3610, 0.0810

Conversions

Conversions Part 2

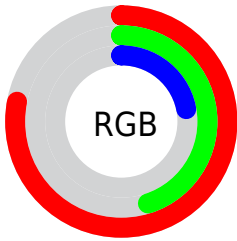
Format	Color
RYB	198, 153, 57
Decimal	13005369
CIELab	56.42, 28.43, 44.81
CIELCh	56, 53.067, 57.610
Yxy	24.3358, 0.4896, 0.3966
Android (android.graphics.Color)	4291195449 (0xFFC67239)
YUV	132.6180, -37.2797, 57.3400
Hunter-Lab	49.3313, 22.3752, 26.1394

Details

The Yxy color **24.3358, 0.4896, 0.3966** 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 **23.9856, 0.2092, 0.2345**, and the grayscale version is **23.4293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9590, 0.4502, 0.3897**, and **9.2827, 0.5429, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **21.6853, 0.5207, 0.3976**, and if you desaturate by 10%, it is **27.4089, 0.4576, 0.3913**.

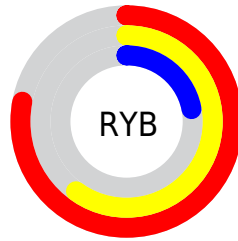
Distribution



Red (78%)

Green (45%)

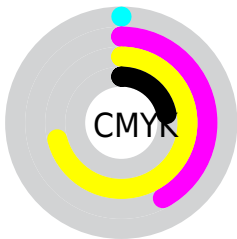
Blue (22%)



Red (78%)

Yellow (60%)

Blue (22%)

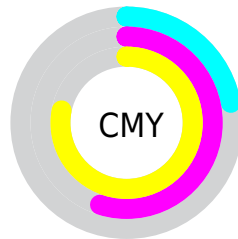


Cyan (0%)

Magenta (42%)

Yellow (71%)

Black (22%)



Cyan (22%)


Magenta (55%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3358, 0.4896, 0.3966 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 24.3358, 0.4896, 0.3966 by changing the saturation by 10% instead.


 24.3358, 0.4896,
0.3966


 24.3358, 0.4896,
0.3966


274.5138, 0.3943,
0.3681


 15.5829, 0.5136,
0.3998


 50.5776, 0.4542,
0.3886

 9.2295, 0.5434,
0.4007


 68.8353, 0.4411,
0.3848


 4.8912, 0.5920,
0.4037

 91.0301, 0.4300,
0.3813

 2.1836, 0.6236,
0.3764

 117.5464, 0.4207,
0.3781

 0.7110, 0.6766,
0.3234

 148.7685, 0.4126,
0.3752

 0.0000, 1.0000,
0.0000

 185.0808, 0.4057,

 0.0000, 0.0000,

0.3726

0.0000

226.8678, 0.3996,
0.3703

■ 24.3358, 0.4896,
0.3966

■ 24.3358, 0.4896,
0.3966

■ 21.6853, 0.5207,
0.3976

■ 27.4089, 0.4576,
0.3913

■ 19.4310, 0.5484,
0.3935

■ 30.9209, 0.4268,
0.3830

■ 17.7523, 0.5692,
0.3863

■ 34.8921, 0.3983,
0.3729

■ 39.3397, 0.3728,
0.3620

■ 44.2802, 0.3505,
0.3510

■ 49.7292, 0.3312,
0.3403

■ 55.7014, 0.3146,
0.3302

■ 62.2111, 0.3003,
0.3208

■ 69.2719, 0.2881,
0.3121

Harmonies

Analogous

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



24.3358, 0.4808, 0.3320



24.3358, 0.4896, 0.3966



24.3358, 0.4457, 0.4591

Triad

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



24.3358, 0.4896, 0.3966



24.3358, 0.2111, 0.3882



24.3358, 0.2371, 0.1987

Complementary

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



24.3358, 0.4896, 0.3966



23.9856, 0.2092, 0.2345

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.



24.3358, 0.1832, 0.1969



24.3358, 0.4896, 0.3966



24.3358, 0.1688, 0.2899

Square

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



24.3358, 0.4896, 0.3966



24.3358, 0.2845, 0.4765



24.3358, 0.1605, 0.2249



24.3358, 0.3204, 0.2254

Rectangle

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



24.3358, 0.4896, 0.3966



24.3358, 0.3976, 0.4901



24.3358, 0.1605, 0.2249



24.3358, 0.2156, 0.1951

Sweetspot

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



24.3371, 0.4896, 0.3966



78.3308, 0.3507, 0.3511



16.8701, 0.4022, 0.2292



16.2225, 0.3567, 0.3541



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.



24.3371, 0.4896, 0.3966



36.3000, 0.5353, 0.3962



46.5348, 0.4183, 0.4731



11.3294, 0.3280, 0.3384



11.7043, 0.5668, 0.3881



0.6957, 0.5290, 0.4182

Inverse Universe

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



23.9856, 0.2092, 0.2345



35.3993, 0.1950, 0.2109



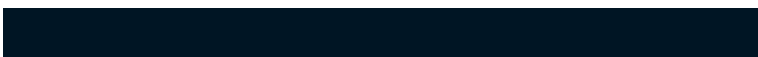
9.4639, 0.1810, 0.1212



11.3201, 0.2983, 0.3194



11.2375, 0.1867, 0.1921



0.6716, 0.1955, 0.2237

Previews

White Background



This preview shows how the Yxy color 24.3358, 0.4896, 0.3966 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 24.3358, 0.4896, 0.3966 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 24.3358, 0.4896, 0.3966

Background



This preview shows how black text looks on a background with the Yxy color 24.3358, 0.4896, 0.3966.



This preview shows how white text looks on a background with the Yxy color 24.3358, 0.4896, 0.3966.

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

24.3358, 0.4896, 0.3966

Protanopia

24.5578, 0.4056, 0.4428

Deuteranopia

24.3926, 0.4437, 0.4355



Tritanopia

24.3804, 0.4275, 0.3202

Trichromacy



Original Color

24.3358, 0.4896, 0.3966

Protanomaly

24.1001, 0.4368, 0.4260

Deuteranomaly

24.3849, 0.4613, 0.4214

Tritanomaly

24.2394, 0.4535, 0.3499

Monochromacy



Original Color

24.3358, 0.4896, 0.3966

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1097, 0.3761, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3358, 0.4896, 0.3966 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, 114, 57)` looks like.

```
.text, #text, p{  
    color:rgb(198, 114, 57)  
}
```

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, 114, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 114, 57) }
```

Border

The CSS property to change the border of an element to Yxy 24.3358, 0.4896, 0.3966 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, 114, 57) }
```

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

```
.border{ border-color:rgb(198, 114, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 114, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 114, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 114, 57);  
box-shadow:4px 4px 4px 4px rgb(198, 114,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3358, 0.4896, 0.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 114, 57) }
```

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

```
.background{ background-color: rgb(198,  
114, 57) }
```

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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