

Converting Colors

$Y_{xy}(24.7641, 0.4743, 0.3884)$

Have a look what the booklet for
Yxy(24.7641, 0.4743, 0.3884)
contains.

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Color

Yxy(24.7908, 0.4745, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	C57445
RGB	197, 116, 69
RGB Percent	77%, 45%, 27%
CMY	0.2274, 0.5451, 0.7293
CMYK	0.00, 0.41, 0.65, 0.23
HSL	22°, 52%, 52%
HSV	22°, 65%, 77%
XYZ	30.3489, 24.7908, 8.8200
YIQ	134.8610, 63.3630, 2.5550

Conversions

Conversions Part 2

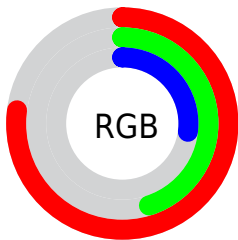
Format	Color
RYB	197, 143, 69
Decimal	12940357
CIELab	56.87, 27.65, 39.10
CIELCh	57, 47.890, 54.738
Yxy	24.7908, 0.4745, 0.3876
Android (android.graphics.Color)	4291130437 (0xFFC57445)
YUV	134.8610, -32.4695, 54.4959
Hunter-Lab	49.7904, 21.6686, 24.3504

Details

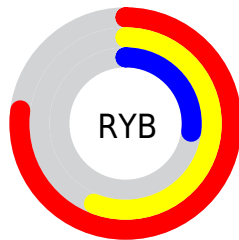
The Yxy color **24.7908, 0.4745, 0.3876** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.1251, 0.2183, 0.2525**, and the grayscale version is **24.2808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9678, 0.4388, 0.3806**, and **9.4755, 0.5257, 0.3943** is the 20% darker color. If you saturate the color by 10%, you get **21.9019, 0.5082, 0.3907**, and if you desaturate by 10%, it is **28.1495, 0.4414, 0.3811**.

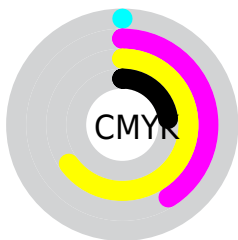
Distribution



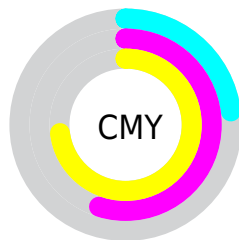
- Red (77%)
- Green (45%)
- Blue (27%)



- Red (77%)
- Yellow (56%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)
- Black (23%)



- Cyan (23%)
- Magenta (55%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7908, 0.4745, 0.3876 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 24.7908, 0.4745, 0.3876 by changing the saturation by 10% instead.


 24.7908, 0.4745,
0.3876

 24.7908, 0.4745,
0.3876


276.7945, 0.3865,
0.3621


 15.9213, 0.4976,
0.3912


 51.3176, 0.4413,
0.3800


 9.4685, 0.5270,
0.3933


 69.7437, 0.4292,
0.3766

 5.0480, 0.5676,
0.3931

 92.1241, 0.4190,
0.3735

 2.2754, 0.6187,
0.3813

 118.8432, 0.4105,
0.3707

 0.7607, 0.6678,
0.3322

 150.2854, 0.4031,
0.3682

 0.0000, 1.0000,
0.0000

186.8351, 0.3968,

 0.0000, 0.0000,

0.3660

0.0000

228.8767, 0.3913,
0.3639

■ 24.7908, 0.4745,
0.3876

■ 24.7908, 0.4745,
0.3876

■ 21.9019, 0.5082,
0.3907

■ 28.1495, 0.4414,
0.3811

■ 19.4553, 0.5401,
0.3891

■ 31.9958, 0.4107,
0.3725

■ 17.4258, 0.5674,
0.3825

■ 36.3511, 0.3831,
0.3628

■ 16.5458, 0.5796,
0.3780

■ 41.2343, 0.3591,
0.3527

■ 46.6633, 0.3383,
0.3428

■ 52.6550, 0.3205,
0.3334

■ 59.2255, 0.3054,
0.3247

■ 66.3905, 0.2925,
0.3166

■ 74.1646, 0.2815,
0.3091

Harmonies

Analogous

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



24.7908, 0.4600, 0.3280



24.7908, 0.4745, 0.3876



24.7908, 0.4402, 0.4443

Triad

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



24.7908, 0.4745, 0.3876



24.7908, 0.2267, 0.3908



24.7908, 0.2384, 0.2083

Complementary

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



24.7908, 0.4745, 0.3876



27.1251, 0.2183, 0.2525

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.



24.7908, 0.1910, 0.2096



24.7908, 0.4745, 0.3876



24.7908, 0.1839, 0.3026

Square

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



24.7908, 0.4745, 0.3876



24.7908, 0.2961, 0.4642



24.7908, 0.1727, 0.2395



24.7908, 0.3122, 0.2310

Rectangle

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



24.7908, 0.4745, 0.3876



24.7908, 0.3985, 0.4721



24.7908, 0.1727, 0.2395



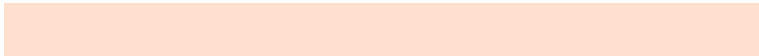
24.7908, 0.2194, 0.2059

Sweetspot

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



24.7921, 0.4745, 0.3876



79.2321, 0.3469, 0.3471



18.3365, 0.3843, 0.2297



16.3595, 0.3530, 0.3500



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.



24.7921, 0.4745, 0.3876



37.2715, 0.5221, 0.3906



44.9239, 0.4145, 0.4607



11.2637, 0.3280, 0.3375



11.0280, 0.5772, 0.3799



0.6601, 0.5375, 0.4114

Inverse Universe

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



27.1251, 0.2183, 0.2525



41.5224, 0.2038, 0.2324



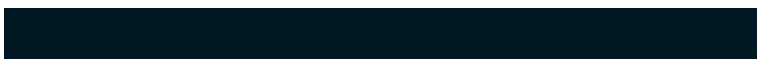
11.9684, 0.1932, 0.1457



11.3878, 0.2984, 0.3203



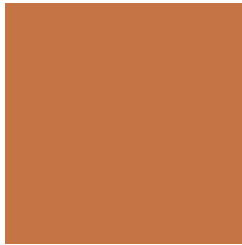
12.4135, 0.1904, 0.2053



0.7225, 0.1984, 0.2340

Previews

White Background



This preview shows how the Yxy color 24.7908, 0.4745, 0.3876 looks on a white background.

Color Contrast Check

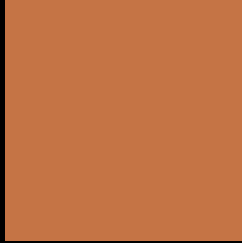
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7908, 0.4745, 0.3876 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 24.7908, 0.4745, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 24.7908, 0.4745, 0.3876.



This preview shows how white text looks on a background with the Yxy color 24.7908, 0.4745, 0.3876.

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

24.7908, 0.4745, 0.3876

Protanopia

24.9924, 0.3937, 0.4276

Deuteranopia

24.7936, 0.4313, 0.4222



Tritanopia

24.7392, 0.4210, 0.3188

Trichromacy



Original Color

24.7908, 0.4745, 0.3876

Protanomaly

24.5064, 0.4242, 0.4125

Deuteranomaly

24.6562, 0.4471, 0.4093

Tritanomaly

24.6506, 0.4430, 0.3450

Monochromacy



Original Color

24.7908, 0.4745, 0.3876

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.8551, 0.3691, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7908, 0.4745, 0.3876 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(197, 116, 69)` looks like.

```
.text, #text, p{  
    color:rgb(197, 116, 69)  
}
```

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(197, 116, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 116, 69) }
```

Border

The CSS property to change the border of an element to Yxy 24.7908, 0.4745, 0.3876 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(197, 116, 69) }
```

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

```
.border{ border-color:rgb(197, 116, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 116, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 116, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 116, 69);  
box-shadow:4px 4px 4px 4px rgb(197, 116,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7908, 0.4745, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 116, 69) }
```

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

```
.background{ background-color: rgb(197,  
116, 69) }
```

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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