

Converting Colors

$Y_{xy}(24.3676, 0.4840, 0.3786)$

Have a look what the booklet for
Yxy(24.3676, 0.4840, 0.3786)
contains.

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Color

Yxy(24.3676, 0.4839, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	CA6F46
RGB	202, 111, 70
RGB Percent	79%, 44%, 27%
CMY	0.2079, 0.5647, 0.7256
CMYK	0.00, 0.45, 0.65, 0.21
HSL	19°, 55%, 53%
HSV	19°, 65%, 79%
XYZ	31.1450, 24.3676, 8.8498
YIQ	133.5350, 67.3970, 6.5410

Conversions

Conversions Part 2

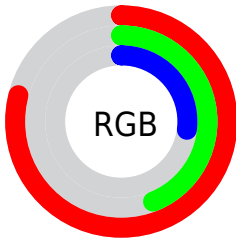
Format	Color
RYB	202, 129, 70
Decimal	13266758
CIELab	56.45, 32.41, 38.29
CIELCh	56, 50.161, 49.754
Yxy	24.3676, 0.4839, 0.3786
Android (android.graphics.Color)	4291456838 (0xFFCA6F46)
YUV	133.5350, -31.3228, 60.0438
Hunter-Lab	49.3635, 26.2348, 23.9251

Details

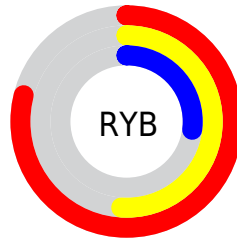
The Yxy color **24.3676, 0.4839, 0.3786** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **31.0351, 0.2207, 0.2642**, and the grayscale version is **23.7591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1670, 0.4411, 0.3745**, and **9.2431, 0.5403, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **21.3504, 0.5204, 0.3804**, and if you desaturate by 10%, it is **27.9464, 0.4482, 0.3735**.

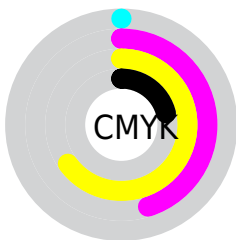
Distribution



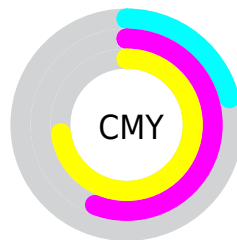
- Red (79%)
- Green (44%)
- Blue (27%)



- Red (79%)
- Yellow (51%)
- Blue (27%)



- Cyan (0%)
- Magenta (45%)
- Yellow (65%)
- Black (21%)





- Cyan (21%)
- Magenta (56%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3676, 0.4839, 0.3786 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 24.3676, 0.4839, 0.3786 by changing the saturation by 10% instead.


 24.3676, 0.4839,
0.3786


 24.3676, 0.4839,
0.3786


274.6737, 0.3903,
0.3585


 15.6065, 0.5086,
0.3805


 50.6294, 0.4485,
0.3732

 9.2462, 0.5403,
0.3803


 68.8989, 0.4356,
0.3706


 4.9021, 0.5840,
0.3767

 91.1067, 0.4248,
0.3681

 2.1899, 0.6398,
0.3602

 117.6372, 0.4157,
0.3658

 0.7145, 0.6965,
0.3035

 148.8748, 0.4080,
0.3637

 0.0000, 1.0000,
0.0000

185.2038, 0.4013,

 0.0000, 0.0000,

0.3618

0.0000

227.0086, 0.3954,
0.3601

■ 24.3676, 0.4839,
0.3786

■ 24.3676, 0.4839,
0.3786

■ 21.3504, 0.5204,
0.3804

■ 27.9464, 0.4482,
0.3735

■ 18.8603, 0.5546,
0.3777

■ 32.1113, 0.4153,
0.3664

■ 16.8638, 0.5830,
0.3703

■ 36.8897, 0.3862,
0.3581

■ 16.0887, 0.5945,
0.3662

■ 42.3059, 0.3609,
0.3496

■ 48.3831, 0.3394,
0.3411

■ 55.1432, 0.3213,
0.3331

■ 62.6069, 0.3059,
0.3256

■ 70.7941, 0.2930,
0.3187

■ 79.7241, 0.2820,
0.3124

Harmonies

Analogous

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



24.3676, 0.4599, 0.3172



24.3676, 0.4839, 0.3786



24.3676, 0.4546, 0.4395

Triad

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



24.3676, 0.4839, 0.3786



24.3676, 0.2326, 0.4100



24.3676, 0.2245, 0.2015

Complementary

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



24.3676, 0.4839, 0.3786



31.0351, 0.2207, 0.2642

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.



24.3676, 0.1805, 0.2071



24.3676, 0.4839, 0.3786



24.3676, 0.1830, 0.3148

Square

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



24.3676, 0.4839, 0.3786



24.3676, 0.3080, 0.4798



24.3676, 0.1664, 0.2432



24.3676, 0.2975, 0.2213

Rectangle

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



24.3676, 0.4839, 0.3786



24.3676, 0.4137, 0.4728



24.3676, 0.1664, 0.2432



24.3676, 0.2064, 0.2004

Sweetspot

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



24.3689, 0.4839, 0.3786



76.7305, 0.3496, 0.3452



19.5537, 0.3717, 0.2196



15.8053, 0.3558, 0.3476



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.



24.3689, 0.4839, 0.3786



34.4890, 0.5335, 0.3799



43.8867, 0.4222, 0.4529



11.7732, 0.3282, 0.3363



10.4944, 0.5921, 0.3681



0.6772, 0.5531, 0.3990

Inverse Universe

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



31.0351, 0.2207, 0.2642



46.2748, 0.2079, 0.2480



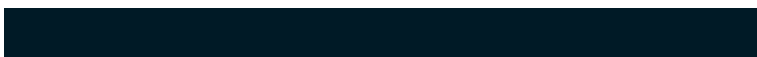
13.9979, 0.1954, 0.1572



12.1156, 0.2983, 0.3216



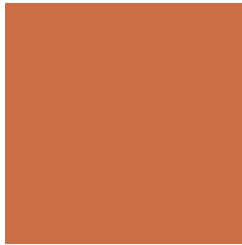
14.8278, 0.1959, 0.2251



0.8963, 0.2022, 0.2478

Previews

White Background



This preview shows how the Yxy color 24.3676, 0.4839, 0.3786 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 24.3676, 0.4839, 0.3786 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 24.3676, 0.4839, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 24.3676, 0.4839, 0.3786.



This preview shows how white text looks on a background with the Yxy color 24.3676, 0.4839, 0.3786.

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

24.3676, 0.4839, 0.3786

Protanopia

24.5624, 0.3890, 0.4226

Deuteranopia

24.3094, 0.4299, 0.4219



Tritanopia

24.4795, 0.4361, 0.3205

Trichromacy



Original Color

24.3676, 0.4839, 0.3786

Protanomaly

24.0254, 0.4229, 0.4057

Deuteranomaly

24.0276, 0.4514, 0.4048

Tritanomaly

24.4256, 0.4556, 0.3432

Monochromacy



Original Color

24.3676, 0.4839, 0.3786

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4403, 0.3713, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3676, 0.4839, 0.3786 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(202, 111, 70)` looks like.

```
.text, #text, p{  
    color:rgb(202, 111, 70)  
}
```

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(202, 111, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 111, 70) }
```

Border

The CSS property to change the border of an element to Yxy 24.3676, 0.4839, 0.3786 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(202, 111, 70) }
```

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

```
.border{ border-color:rgb(202, 111, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 111, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 111, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 111, 70);  
box-shadow:4px 4px 4px 4px rgb(202, 111,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3676, 0.4839, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 111, 70) }
```

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

```
.background{ background-color: rgb(202,  
111, 70) }
```

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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