

Converting Colors

$Y_{xy}(26.0136, 0.4804, 0.3908)$

Have a look what the booklet for
Yxy(26.0136, 0.4804, 0.3908)
contains.

Yxy(25.9187, 0.4796, 0.3903)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.9187, 0.4796, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	CA7643
RGB	202, 118, 67
RGB Percent	79%, 46%, 26%
CMY	0.2079, 0.5372, 0.7371
CMYK	0.00, 0.42, 0.67, 0.21
HSL	23°, 56%, 53%
HSV	23°, 67%, 79%
XYZ	31.8489, 25.9187, 8.6396
YIQ	137.3020, 66.4350, 1.9470

Conversions

Conversions Part 2

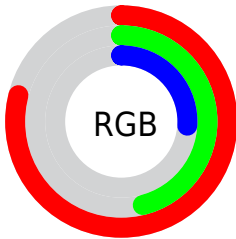
Format	Color
R _Y B	202, 149, 67
Decimal	13268547
CIE Lab	57.96, 28.49, 41.57
CIE LCh	58, 50.402, 55.574
Yxy	25.9187, 0.4796, 0.3903
Android (android.graphics.Color)	4291458627 (0xFFCA7643)
YUV	137.3020, -34.6589, 56.7401
Hunter-Lab	50.9104, 22.5739, 25.5757

Details

The Yxy color **25.9187, 0.4796, 0.3903** 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 **27.5997, 0.2155, 0.2473**, and the grayscale version is **25.2536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6702, 0.4392, 0.3845**, and **10.0209, 0.5326, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **22.9521, 0.5127, 0.3928**, and if you desaturate by 10%, it is **29.3672, 0.4466, 0.3841**.

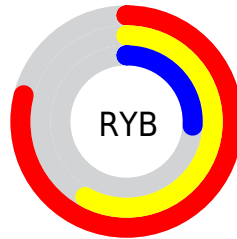
Distribution



Red (79%)

Green (46%)

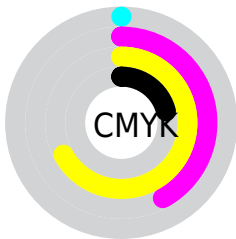
Blue (26%)



Red (79%)

Yellow (58%)

Blue (26%)

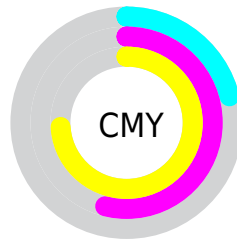


Cyan (0%)

Magenta (42%)

Yellow (67%)

Black (21%)



Cyan (21%)


Magenta (54%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9187, 0.4796, 0.3903 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 25.9187, 0.4796, 0.3903 by changing the saturation by 10% instead.


 25.9187, 0.4796,
0.3903


 25.9187, 0.4796,
0.3903


282.3828, 0.3897,
0.3642


 16.7628, 0.5026,
0.3937


 53.1438, 0.4461,
0.3827


 10.0655, 0.5317,
0.3955


 71.9817, 0.4337,
0.3792


 5.4424, 0.5714,
0.3949

 94.8159, 0.4233,
0.3760

 2.5091, 0.6184,
0.3816

 122.0306, 0.4145,
0.3732

 0.8812, 0.6638,
0.3362

 154.0102, 0.4070,
0.3706

 0.0000, 1.0000,
0.0000

191.1392, 0.4004,

 0.0000, 0.0000,

0.3682

0.0000

233.8019, 0.3948,
0.3661

■ 25.9187, 0.4796,
0.3903

■ 25.9187, 0.4796,
0.3903

■ 22.9521, 0.5127,
0.3928

■ 29.3672, 0.4466,
0.3841

■ 20.4385, 0.5435,
0.3904

■ 33.3160, 0.4157,
0.3756

■ 18.3506, 0.5693,
0.3829

■ 37.7875, 0.3878,
0.3657

■ 17.7648, 0.5769,
0.3801

■ 42.8010, 0.3632,
0.3553

■ 48.3752, 0.3419,
0.3451

■ 54.5275, 0.3236,
0.3353

■ 61.2747, 0.3080,
0.3262

■ 68.6327, 0.2947,
0.3177

■ 76.6169, 0.2833,
0.3099

Harmonies

Analogous

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



25.9187, 0.4666, 0.3290



25.9187, 0.4796, 0.3903



25.9187, 0.4424, 0.4489

Triad

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



25.9187, 0.4796, 0.3903



25.9187, 0.2219, 0.3906



25.9187, 0.2376, 0.2051

Complementary

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



25.9187, 0.4796, 0.3903



27.5997, 0.2155, 0.2473

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.



25.9187, 0.1883, 0.2055



25.9187, 0.4796, 0.3903



25.9187, 0.1791, 0.2989

Square

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



25.9187, 0.4796, 0.3903



25.9187, 0.2928, 0.4684



25.9187, 0.1686, 0.2349



25.9187, 0.3144, 0.2290

Rectangle

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



25.9187, 0.4796, 0.3903



25.9187, 0.3987, 0.4778



25.9187, 0.1686, 0.2349



25.9187, 0.2178, 0.2023

Sweetspot

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



25.9200, 0.4796, 0.3903



78.5348, 0.3489, 0.3486



18.8582, 0.3873, 0.2277



16.2335, 0.3549, 0.3515



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.



25.9200, 0.4796, 0.3903



36.9493, 0.5263, 0.3924



47.2433, 0.4170, 0.4634



11.8964, 0.3281, 0.3378



11.5908, 0.5745, 0.3821



0.7430, 0.5378, 0.4112

Inverse Universe

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



27.5997, 0.2155, 0.2473



39.7464, 0.2013, 0.2265



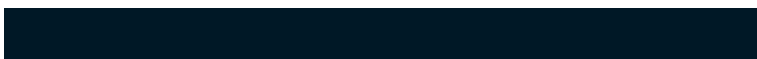
11.9602, 0.1898, 0.1399



11.9874, 0.2983, 0.3200



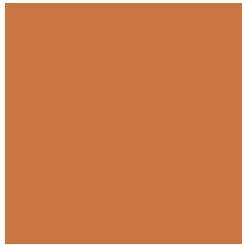
12.4744, 0.1893, 0.2014



0.7868, 0.1970, 0.2291

Previews

White Background



This preview shows how the Yxy color 25.9187, 0.4796, 0.3903 looks on a white background.

Color Contrast Check

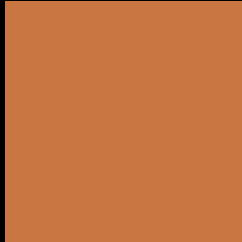
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9187, 0.4796, 0.3903 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 25.9187, 0.4796, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 25.9187, 0.4796, 0.3903.



This preview shows how white text looks on a background with the Yxy color 25.9187, 0.4796, 0.3903.

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

25.9187, 0.4796, 0.3903

Protanopia

26.1206, 0.3969, 0.4330

Deuteranopia

26.0182, 0.4357, 0.4275



Tritanopia

25.9235, 0.4229, 0.3191

Trichromacy



Original Color

25.9187, 0.4796, 0.3903

Protanomaly

25.6154, 0.4270, 0.4177

Deuteranomaly

25.9989, 0.4525, 0.4141

Tritanomaly

25.8116, 0.4458, 0.3459

Monochromacy



Original Color

25.9187, 0.4796, 0.3903

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.7122, 0.3707, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9187, 0.4796, 0.3903 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, 118, 67)` looks like.

```
.text, #text, p{  
    color:rgb(202, 118, 67)  
}
```

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, 118, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 118, 67) }
```

Border

The CSS property to change the border of an element to Yxy 25.9187, 0.4796, 0.3903 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, 118, 67) }
```

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

```
.border{ border-color:rgb(202, 118, 67) }
```

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

Here you see how a box with a 4 pixel rgb(202, 118, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 118, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 118, 67);  
box-shadow:4px 4px 4px 4px rgb(202, 118,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9187, 0.4796, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 118, 67) }
```

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

```
.background{ background-color: rgb(202,  
118, 67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor