

Converting Colors

$Y_{xy}(24.8993, 0.4913, 0.3865)$

Have a look what the booklet for
Yxy(24.8993, 0.4913, 0.3865)
contains.

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Color

Yxy(25.0065, 0.4910, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	CC713F
RGB	204, 113, 63
RGB Percent	80%, 44%, 25%
CMY	0.2000, 0.5568, 0.7530
CMYK	0.00, 0.45, 0.69, 0.20
HSL	21°, 58%, 52%
HSV	21°, 69%, 80%
XYZ	31.7020, 25.0065, 7.8577
YIQ	134.5090, 70.2860, 3.7420

Conversions

Conversions Part 2

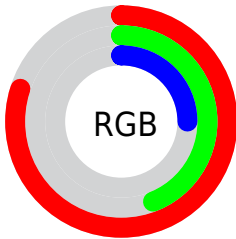
Format	Color
RYB	204, 140, 63
Decimal	13398335
CIELab	57.08, 31.74, 42.74
CIELCh	57, 53.236, 53.394
Yxy	25.0065, 0.4910, 0.3873
Android (android.graphics.Color)	4291588415 (0xFFCC713F)
YUV	134.5090, -35.2539, 60.9436
Hunter-Lab	50.0065, 25.6501, 25.6881

Details

The Yxy color **25.0065, 0.4910, 0.3873** 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 **28.5180, 0.2142, 0.2494**, and the grayscale version is **24.1517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7247, 0.4459, 0.3832**, and **9.5188, 0.5462, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **22.0930, 0.5250, 0.3883**, and if you desaturate by 10%, it is **28.4331, 0.4567, 0.3824**.

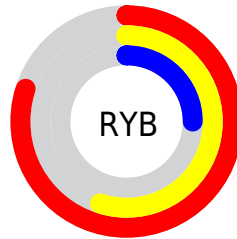
Distribution



Red (80%)

Green (44%)

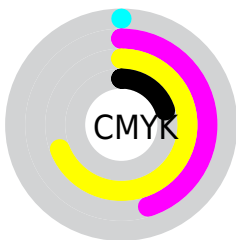
Blue (25%)



Red (80%)

Yellow (55%)

Blue (25%)

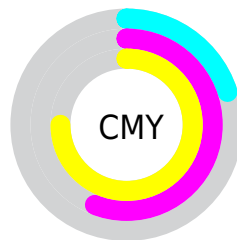


Cyan (0%)

Magenta (45%)

Yellow (69%)

Black (20%)



Cyan (20%)


Magenta (56%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0065, 0.4910, 0.3873 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 25.0065, 0.4910, 0.3873 by changing the saturation by 10% instead.


 25.0065, 0.4910,
0.3873


 25.0065, 0.4910,
0.3873


277.8703, 0.3947,
0.3638


 16.0819, 0.5156,
0.3895


 51.6678, 0.4551,
0.3810

 9.5821, 0.5464,
0.3893


 70.1732, 0.4418,
0.3779


 5.1228, 0.5915,
0.3876


 92.6411, 0.4307,
0.3750

 2.3195, 0.6346,
0.3654

 119.4557, 0.4212,
0.3723

 0.7840, 0.6867,
0.3133

 151.0016, 0.4132,
0.3698

 0.0000, 1.0000,
0.0000

 187.6631, 0.4062,

 0.0000, 0.0000,

0.3676

0.0000

229.8245, 0.4001,
0.3656

■ 25.0065, 0.4910,
0.3873

■ 25.0065, 0.4910,
0.3873

■ 22.0930, 0.5250,
0.3883

■ 28.4331, 0.4567,
0.3824

■ 19.6605, 0.5557,
0.3843

■ 32.3944, 0.4243,
0.3748

■ 17.6742, 0.5811,
0.3759

■ 36.9153, 0.3949,
0.3657

■ 17.5178, 0.5833,
0.3751

■ 42.0177, 0.3691,
0.3561

■ 47.7224, 0.3467,
0.3464

■ 54.0491, 0.3276,
0.3370

■ 61.0165, 0.3114,
0.3283

■ 68.6425, 0.2976,
0.3201

■ 76.9442, 0.2858,
0.3127

Harmonies

Analogous

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



25.0065, 0.4737, 0.3234



25.0065, 0.4910, 0.3873



25.0065, 0.4536, 0.4505

Triad

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



25.0065, 0.4910, 0.3873



25.0065, 0.2204, 0.4024



25.0065, 0.2280, 0.1974

Complementary

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



25.0065, 0.4910, 0.3873



28.5180, 0.2142, 0.2494

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.



25.0065, 0.1788, 0.1995



25.0065, 0.4910, 0.3873



25.0065, 0.1733, 0.3024

Square

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



25.0065, 0.4910, 0.3873



25.0065, 0.2966, 0.4832



25.0065, 0.1605, 0.2322



25.0065, 0.3074, 0.2208

Rectangle

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



25.0065, 0.4910, 0.3873



25.0065, 0.4082, 0.4841



25.0065, 0.1605, 0.2322



25.0065, 0.2081, 0.1951

Sweetspot

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



25.0078, 0.4910, 0.3873



76.9194, 0.3513, 0.3484



18.7450, 0.3874, 0.2230



15.8895, 0.3574, 0.3511



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.



25.0078, 0.4910, 0.3873



34.4958, 0.5408, 0.3870



46.9959, 0.4218, 0.4643



11.8540, 0.3281, 0.3373



11.1873, 0.5807, 0.3771



0.7194, 0.5430, 0.4070

Inverse Universe

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



28.5180, 0.2142, 0.2494



40.3508, 0.2007, 0.2289



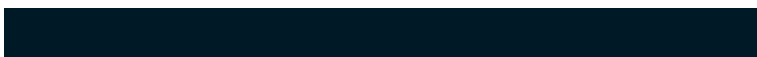
11.7790, 0.1866, 0.1362



12.0313, 0.2983, 0.3206



13.2492, 0.1915, 0.2095



0.8233, 0.1988, 0.2355

Previews

White Background



This preview shows how the Yxy color 25.0065, 0.4910, 0.3873 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 25.0065, 0.4910, 0.3873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

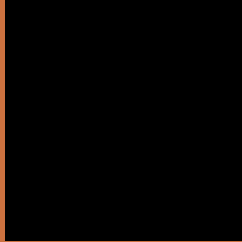
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.0065, 0.4910, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 25.0065, 0.4910, 0.3873.



This preview shows how white text looks on a background with the Yxy color 25.0065, 0.4910, 0.3873.

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

25.0065, 0.4910, 0.3873

Protanopia

25.3073, 0.3988, 0.4355

Deuteranopia

25.2063, 0.4389, 0.4305



Tritanopia

25.0186, 0.4350, 0.3193

Trichromacy



Original Color

25.0065, 0.4910, 0.3873

Protanomaly

24.7758, 0.4327, 0.4174

Deuteranomaly

24.8088, 0.4594, 0.4137

Tritanomaly

24.9036, 0.4584, 0.3456

Monochromacy



Original Color

25.0065, 0.4910, 0.3873

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7565, 0.3745, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0065, 0.4910, 0.3873 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(204, 113, 63)` looks like.

```
.text, #text, p{  
    color:rgb(204, 113, 63)  
}
```

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(204, 113, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 113, 63) }
```

Border

The CSS property to change the border of an element to Yxy 25.0065, 0.4910, 0.3873 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(204, 113, 63) }
```

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

```
.border{ border-color:rgb(204, 113, 63) }
```

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

Here you see how a box with a 4 pixel rgb(204, 113, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 113, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 113, 63);  
box-shadow:4px 4px 4px 4px rgb(204, 113,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0065, 0.4910, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 113, 63) }
```

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

```
.background{ background-color: rgb(204,  
113, 63) }
```

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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