

Converting Colors

$Y_{xy}(25.8006, 0.4858, 0.3842)$

Have a look what the booklet for
Yxy(25.8006, 0.4858, 0.3842)
contains.

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Color

Yxy(25.8006, 0.4858, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	CE7344
RGB	206, 115, 68
RGB Percent	81%, 45%, 27%
CMY	0.1922, 0.5489, 0.7333
CMYK	0.00, 0.44, 0.67, 0.19
HSL	20°, 58%, 54%
HSV	20°, 67%, 81%
XYZ	32.6235, 25.8006, 8.7300
YIQ	136.8510, 69.3230, 4.6750

Conversions

Conversions Part 2

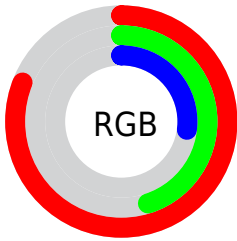
Format	Color
R_{YB}	206, 139, 68
Decimal	13529924
CIE _{Lab}	57.85, 31.77, 41.08
CIE _{LCh}	58, 51.935, 52.282
Yxy	25.8006, 0.4858, 0.3842
Android (android.graphics.Color)	4291720004 (0xFFCE7344)
YUV	136.8510, -33.9435, 60.6437
Hunter-Lab	50.7943, 25.7545, 25.3658

Details

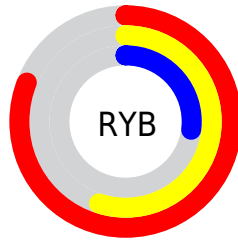
The Yxy color **25.8006, 0.4858, 0.3842** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **30.4684, 0.2173, 0.2554**, and the grayscale version is **25.0697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5733, 0.4403, 0.3805**, and **10.0378, 0.5407, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **22.7203, 0.5207, 0.3858**, and if you desaturate by 10%, it is **29.4282, 0.4511, 0.3789**.

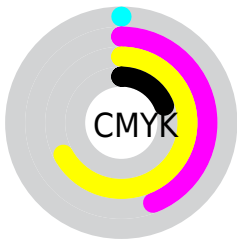
Distribution



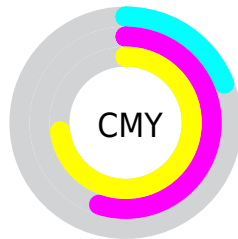
- Red (81%)
- Green (45%)
- Blue (27%)



- Red (81%)
- Yellow (55%)
- Blue (27%)



- Cyan (0%)
- Magenta (44%)
- Yellow (67%)
- Black (19%)



- Cyan (19%)
- Magenta (55%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8006, 0.4858, 0.3842 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 25.8006, 0.4858, 0.3842 by changing the saturation by 10% instead.


 25.8006, 0.4858,
0.3842

 25.8006, 0.4858,
0.3842


281.8019, 0.3924,
0.3618


 16.6745, 0.5099,
0.3865


 52.9531, 0.4509,
0.3781


 10.0027, 0.5402,
0.3868


 71.7483, 0.4380,
0.3751

 5.4008, 0.5816,
0.3839

 94.5353, 0.4272,
0.3724

 2.4843, 0.6319,
0.3681

 121.6986, 0.4181,
0.3698

 0.8687, 0.6808,
0.3192

 153.6225, 0.4103,
0.3675

 0.0000, 1.0000,
0.0000

190.6914, 0.4035,

 0.0000, 0.0000,

0.3654

0.0000

233.2897, 0.3976,
0.3635

■ 25.8006, 0.4858,
0.3842

■ 25.8006, 0.4858,
0.3842

■ 22.7203, 0.5207,
0.3858

■ 29.4282, 0.4511,
0.3789

■ 20.1536, 0.5531,
0.3827

■ 33.6260, 0.4187,
0.3713

■ 18.0676, 0.5797,
0.3748

■ 38.4204, 0.3897,
0.3624

■ 17.5224, 0.5871,
0.3721

■ 43.8346, 0.3643,
0.3530

■ 49.8908, 0.3425,
0.3437

■ 56.6097, 0.3240,
0.3349

■ 64.0113, 0.3082,
0.3266

■ 72.1146, 0.2949,
0.3189

■ 80.9380, 0.2836,
0.3119

Harmonies

Analogous

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



25.8006, 0.4664, 0.3219



25.8006, 0.4858, 0.3842



25.8006, 0.4519, 0.4455

Triad

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



25.8006, 0.4858, 0.3842



25.8006, 0.2258, 0.4033



25.8006, 0.2283, 0.2007

Complementary

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



25.8006, 0.4858, 0.3842



30.4684, 0.2173, 0.2554

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.



25.8006, 0.1813, 0.2039



25.8006, 0.4858, 0.3842



25.8006, 0.1786, 0.3069

Square

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



25.8006, 0.4858, 0.3842



25.8006, 0.3007, 0.4789



25.8006, 0.1646, 0.2374



25.8006, 0.3045, 0.2226

Rectangle

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



25.8006, 0.4858, 0.3842



25.8006, 0.4087, 0.4781



25.8006, 0.1646, 0.2374



25.8006, 0.2093, 0.1987

Sweetspot

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



25.8020, 0.4858, 0.3842



77.5324, 0.3493, 0.3467



19.7912, 0.3807, 0.2225



15.9954, 0.3554, 0.3494



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.



25.8020, 0.4858, 0.3842



35.0555, 0.5342, 0.3852



47.3960, 0.4210, 0.4595



11.8282, 0.3282, 0.3370



10.9550, 0.5844, 0.3742



0.7055, 0.5463, 0.4045

Inverse Universe

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



30.4684, 0.2173, 0.2554



42.8262, 0.2041, 0.2371



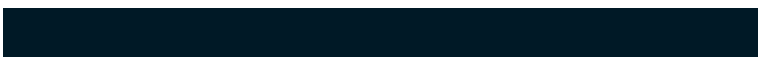
13.1666, 0.1909, 0.1456



12.0582, 0.2983, 0.3209



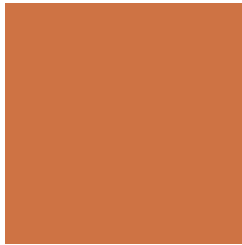
13.7393, 0.1929, 0.2145



0.8461, 0.1999, 0.2395

Previews

White Background



This preview shows how the Yxy color 25.8006, 0.4858, 0.3842 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 25.8006, 0.4858, 0.3842 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 25.8006, 0.4858, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 25.8006, 0.4858, 0.3842.



This preview shows how white text looks on a background with the Yxy color 25.8006, 0.4858, 0.3842.

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

25.8006, 0.4858, 0.3842

Protanopia

26.0503, 0.3938, 0.4307

Deuteranopia

25.9159, 0.4337, 0.4269



Tritanopia

25.7769, 0.4333, 0.3194

Trichromacy



Original Color

25.8006, 0.4858, 0.3842

Protanomaly

25.4843, 0.4271, 0.4134

Deuteranomaly

25.4937, 0.4537, 0.4104

Tritanomaly

25.6796, 0.4551, 0.3442

Monochromacy



Original Color

25.8006, 0.4858, 0.3842

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.5517, 0.3724, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8006, 0.4858, 0.3842 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(206, 115, 68)` looks like.

```
.text, #text, p{  
    color:rgb(206, 115, 68)  
}
```

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(206, 115, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 115, 68) }
```

Border

The CSS property to change the border of an element to Yxy 25.8006, 0.4858, 0.3842 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(206, 115, 68) }
```

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

```
.border{ border-color:rgb(206, 115, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 115, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 115, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 115, 68);  
box-shadow:4px 4px 4px 4px rgb(206, 115,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8006, 0.4858, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 115, 68) }
```

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

```
.background{ background-color: rgb(206,  
115, 68) }
```

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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