

Converting Colors

$Y_{xy}(29.9738, 0.4938, 0.3869)$

Have a look what the booklet for
Yxy(29.9738, 0.4938, 0.3869)
contains.

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Color

Yxy(29.8660, 0.4938, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	DE7A44
RGB	222, 122, 68
RGB Percent	87%, 48%, 27%
CMY	0.1294, 0.5216, 0.7334
CMYK	0.00, 0.45, 0.69, 0.13
HSL	21°, 70%, 57%
HSV	21°, 69%, 87%
XYZ	38.1278, 29.8660, 9.2192
YIQ	145.7440, 76.9340, 4.4060

Conversions

Conversions Part 2

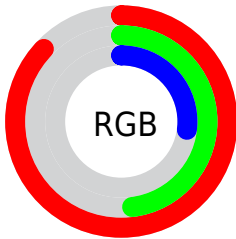
Format	Color
R_{YB}	222, 151, 68
Decimal	14580292
CIE _{Lab}	61.54, 34.54, 45.86
CIE _{LCh}	62, 57.414, 53.019
Yxy	29.8660, 0.4938, 0.3868
Android (android.graphics.Color)	4292770372 (0xFFDE7A44)
YUV	145.7440, -38.3278, 66.8765
Hunter-Lab	54.6498, 28.8978, 28.2528

Details

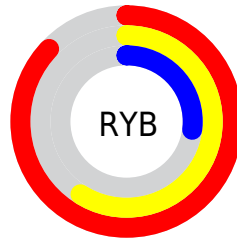
The Yxy color **29.8660, 0.4938, 0.3868** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **34.4975, 0.2138, 0.2495**, and the grayscale version is **28.7704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6187, 0.4351, 0.3886**, and **12.1306, 0.5461, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **26.3650, 0.5280, 0.3874**, and if you desaturate by 10%, it is **33.9977, 0.4591, 0.3822**.

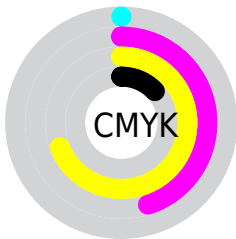
Distribution



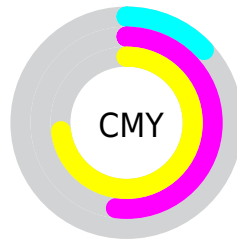
- Red (87%)
- Green (48%)
- Blue (27%)



- Red (87%)
- Yellow (59%)
- Blue (27%)



- Cyan (0%)
- Magenta (45%)
- Yellow (69%)
- Black (13%)



- Cyan (13%)
- Magenta (52%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8660, 0.4938, 0.3868 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 29.8660, 0.4938, 0.3868 by changing the saturation by 10% instead.


 29.8660, 0.4938,
0.3868


 29.8660, 0.4938,
0.3868

301.2793, 0.3988,
0.3647


 19.7369, 0.5171,
0.3887


 59.4502, 0.4591,
0.3812


 12.2039, 0.5459,
0.3884


 79.6741, 0.4461,
0.3783

 6.8827, 0.5826,
0.3842


 104.0317, 0.4351,
0.3756

 3.3889, 0.6294,
0.3706

 132.9074, 0.4256,
0.3730

 1.3380, 0.6716,
0.3284

 166.6857, 0.4175,
0.3707

 0.1703, 0.8564,
0.1436

205.7508, 0.4105,

 0.0000, 0.0000,

0.3685

0.0000

250.4872, 0.4043,
0.3665

■ 29.8660, 0.4938,
0.3868

■ 29.8660, 0.4938,
0.3868

■ 26.3650, 0.5280,
0.3874

■ 33.9977, 0.4591,
0.3822

■ 23.4547, 0.5588,
0.3830

■ 38.7872, 0.4262,
0.3748


■ 21.0916, 0.5838,
0.3741

■ 44.2658, 0.3964,
0.3658


■ 20.9616, 0.5852,
0.3735


■ 50.4609, 0.3702,
0.3562

■ 57.3985, 0.3475,
0.3465

 65.1030, 0.3282,
0.3372

 73.5978, 0.3118,
0.3285

 82.9053, 0.2978,
0.3204

 92.1962, 0.2928,
0.3256

Harmonies

Analogous

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



29.8660, 0.4757, 0.3222



29.8660, 0.4938, 0.3868



29.8660, 0.4562, 0.4511

Triad

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



29.8660, 0.4938, 0.3868



29.8660, 0.2197, 0.4049



29.8660, 0.2259, 0.1956

Complementary

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



29.8660, 0.4938, 0.3868



34.4975, 0.2138, 0.2495

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.



29.8660, 0.1766, 0.1980



29.8660, 0.4938, 0.3868



29.8660, 0.1718, 0.3029

Square

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



29.8660, 0.4938, 0.3868



29.8660, 0.2971, 0.4867



29.8660, 0.1585, 0.2313



29.8660, 0.3061, 0.2189

Rectangle

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



29.8660, 0.4938, 0.3868



29.8660, 0.4102, 0.4858



29.8660, 0.1585, 0.2313



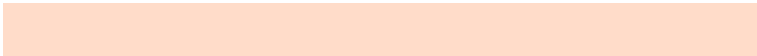
29.8660, 0.2059, 0.1933

Sweetspot

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



29.8676, 0.4938, 0.3868



76.8078, 0.3513, 0.3482



22.4920, 0.3883, 0.2224



15.8632, 0.3574, 0.3509



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.



29.8676, 0.4938, 0.3868



34.2982, 0.5417, 0.3862



56.7486, 0.4226, 0.4651



14.4831, 0.3283, 0.3373



12.6392, 0.5825, 0.3756



1.0401, 0.5529, 0.3992

Inverse Universe

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



34.4975, 0.2138, 0.2495



40.6902, 0.2010, 0.2301



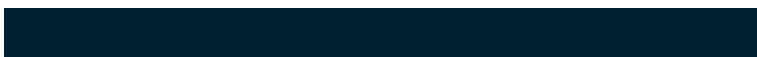
13.9975, 0.1855, 0.1345



14.7208, 0.2982, 0.3206



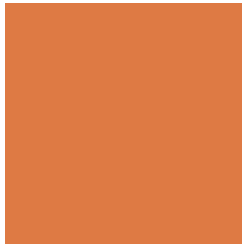
15.2192, 0.1918, 0.2104



1.2210, 0.1974, 0.2307

Previews

White Background



This preview shows how the Yxy color 29.8660, 0.4938, 0.3868 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 29.8660, 0.4938, 0.3868 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 29.8660, 0.4938, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 29.8660, 0.4938, 0.3868.



This preview shows how white text looks on a background with the Yxy color 29.8660, 0.4938, 0.3868.

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

29.8660, 0.4938, 0.3868

Protanopia

30.0300, 0.4001, 0.4352

Deuteranopia

30.0192, 0.4401, 0.4320



Tritanopia

29.9536, 0.4374, 0.3201

Trichromacy



Original Color

29.8660, 0.4938, 0.3868

Protanomaly

29.3988, 0.4348, 0.4161

Deuteranomaly

29.7154, 0.4594, 0.4149

Tritanomaly

29.8036, 0.4603, 0.3454

Monochromacy



Original Color

29.8660, 0.4938, 0.3868

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.1980, 0.3761, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8660, 0.4938, 0.3868 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(222, 122, 68)` looks like.

```
.text, #text, p{  
    color:rgb(222, 122, 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(222, 122, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 122, 68) }
```

Border

The CSS property to change the border of an element to Yxy 29.8660, 0.4938, 0.3868 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(222, 122, 68) }
```

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

```
.border{ border-color:rgb(222, 122, 68) }
```

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

Here you see how a box with a 4 pixel rgb(222, 122, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 122, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 122, 68);  
box-shadow:4px 4px 4px 4px rgb(222, 122,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8660, 0.4938, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 122, 68) }
```

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

```
.background{ background-color: rgb(222,  
122, 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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