

Converting Colors

Yxy(31.3408, 0.4866, 0.4400)

Have a look what the booklet for
Yxy(31.3408, 0.4866, 0.4400)
contains.

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Color

Yxy(31.3734, 0.4870, 0.4400)

Conversions

Conversions Part 1

Format	Color
Hex	CE8A1A
RGB	206, 138, 26
RGB Percent	81%, 54%, 10%
CMY	0.1922, 0.4588, 0.8979
CMYK	0.00, 0.33, 0.87, 0.19
HSL	37°, 78%, 45%
HSV	37°, 87%, 81%
XYZ	34.7246, 31.3734, 5.2051
YIQ	145.5640, 76.4800, -20.4160

Conversions

Conversions Part 2

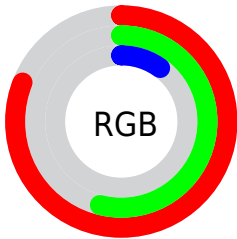
Format	Color
RYB	135, 206, 26
Decimal	13535770
CIELab	62.82, 17.69, 63.31
CIElCh	63, 65.738, 74.388
Yxy	31.3734, 0.4870, 0.4400
Android (android.graphics.Color)	4291725850 (0xFFCE8A1A)
YUV	145.5640, -58.9451, 53.0024
Hunter-Lab	56.0120, 12.6402, 33.6986

Details

The Yxy color **31.3734, 0.4870, 0.4400** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **12.6823, 0.1764, 0.1437**, and the grayscale version is **28.7820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1461, 0.4486, 0.4319**, and **13.0904, 0.5089, 0.4341** is the 20% darker color. If you saturate the color by 10%, you get **29.1587, 0.5024, 0.4374**, and if you desaturate by 10%, it is **33.8160, 0.4684, 0.4375**.

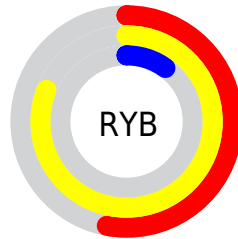
Distribution



Red (81%)

Green (54%)

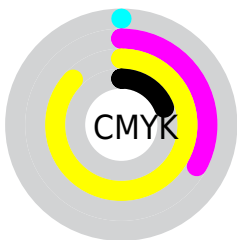
Blue (10%)



Red (53%)

Yellow (81%)

Blue (10%)

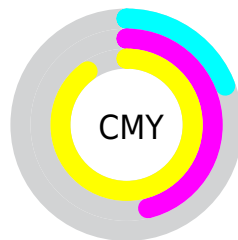


Cyan (0%)

Magenta (33%)

Yellow (87%)

Black (19%)



Cyan (19%)

Magenta (46%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3734, 0.4870, 0.4400 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 31.3734, 0.4870, 0.4400 by changing the saturation by 10% instead.


 31.3734, 0.4870,
0.4400


 31.3734, 0.4870,
0.4400


308.2549, 0.4017,
0.3932


 20.8833, 0.5045,
0.4462


 61.8275, 0.4581,
0.4266

 13.0388, 0.5242,
0.4504


 82.5603, 0.4465,
0.4204

 7.4552, 0.5477,
0.4523


 107.4761, 0.4364,
0.4147

 3.7484, 0.5624,
0.4376

 136.9594, 0.4276,
0.4095

 1.5338, 0.5863,
0.4137

 171.3946, 0.4199,
0.4048

 0.3124, 0.7000,
0.3000

 211.1659, 0.4131,

 0.0000, 0.0000,

0.4005

0.0000

256.6579, 0.4070,
0.3967

■ 31.3734, 0.4870,
0.4400

■ 31.3734, 0.4870,
0.4400

■ 29.1587, 0.5024,
0.4374

■ 33.8160, 0.4684,
0.4375

■ 28.6036, 0.5062,
0.4363

■ 36.4983, 0.4473,
0.4302

■ 39.4350, 0.4250,
0.4189

■ 42.6373, 0.4024,
0.4048

■ 46.1158, 0.3806,
0.3890

■ 49.8798, 0.3601,
0.3726

■ 53.9385, 0.3412,
0.3561

■ 58.3001, 0.3241,
0.3402

■ 62.9728, 0.3088,
0.3251

Harmonies

Analogous

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



31.3734, 0.5159, 0.3680



31.3734, 0.4870, 0.4400



31.3734, 0.4134, 0.5042

Triad

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



31.3734, 0.4870, 0.4400



31.3734, 0.1677, 0.3289



31.3734, 0.2758, 0.1982

Complementary

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



31.3734, 0.4870, 0.4400



12.6823, 0.1764, 0.1437

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.



31.3734, 0.1974, 0.1804



31.3734, 0.4870, 0.4400



31.3734, 0.1442, 0.2371

Square

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



31.3734, 0.4870, 0.4400



31.3734, 0.2297, 0.4487



31.3734, 0.1545, 0.1909



31.3734, 0.3816, 0.2405

Rectangle

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



31.3734, 0.4870, 0.4400



31.3734, 0.3521, 0.5242



31.3734, 0.1545, 0.1909



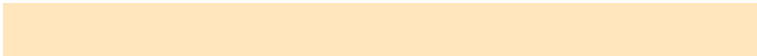
31.3734, 0.2457, 0.1894

Sweetspot

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



31.3750, 0.4870, 0.4400



81.4912, 0.3581, 0.3709



14.6861, 0.5091, 0.2682



16.9694, 0.3650, 0.3767



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.



31.3750, 0.4870, 0.4400



45.9475, 0.5075, 0.4352



54.5197, 0.3985, 0.5141



12.3570, 0.3275, 0.3434



17.8092, 0.5046, 0.4375



1.0620, 0.4837, 0.4541

Inverse Universe

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



12.6823, 0.1764, 0.1437



15.6436, 0.1657, 0.1164



5.8012, 0.1640, 0.0750



11.5268, 0.2983, 0.3142



6.2555, 0.1670, 0.1213



0.4678, 0.1781, 0.1612

Previews

White Background



This preview shows how the Yxy color 31.3734, 0.4870, 0.4400 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.3734, 0.4870, 0.4400 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 ✓ Pass

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

Yxy 31.3734, 0.4870, 0.4400

Background



This preview shows how black text looks on a background with the Yxy color 31.3734, 0.4870, 0.4400.



This preview shows how white text looks on a background with the Yxy color 31.3734, 0.4870, 0.4400.

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

31.3734, 0.4870, 0.4400

Protanopia

31.6469, 0.4332, 0.4787

Deuteranopia

31.2071, 0.4676, 0.4582



Tritanopia

31.5325, 0.3992, 0.3180

Trichromacy



Original Color

31.3734, 0.4870, 0.4400

Protanomaly

31.4589, 0.4519, 0.4650

Deuteranomaly

31.2782, 0.4744, 0.4517

Tritanomaly

31.0672, 0.4434, 0.3725

Monochromacy



Original Color

31.3734, 0.4870, 0.4400

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.9291, 0.3836, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3734, 0.4870, 0.4400 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, 138, 26)` looks like.

```
.text, #text, p{  
    color:rgb(206, 138, 26)  
}
```

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, 138, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 138, 26) }
```

Border

The CSS property to change the border of an element to Yxy 31.3734, 0.4870, 0.4400 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, 138, 26) }
```

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

```
.border{ border-color:rgb(206, 138, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 138, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 138, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 138, 26);  
box-shadow:4px 4px 4px 4px rgb(206, 138,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3734, 0.4870, 0.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 138, 26) }
```

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

```
.background{ background-color: rgb(206,  
138, 26) }
```

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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