

Converting Colors

$Y_{xy}(31.8378, 0.4830, 0.4407)$

Have a look what the booklet for
Yxy(31.8378, 0.4830, 0.4407)
contains.

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Color

Yxy(31.9717, 0.4831, 0.4404)

Conversions

Conversions Part 1

Format	Color
Hex	CE8C1E
RGB	206, 140, 30
RGB Percent	81%, 55%, 12%
CMY	0.1921, 0.4510, 0.8822
CMYK	0.00, 0.32, 0.85, 0.19
HSL	37°, 75%, 46%
HSV	37°, 85%, 81%
XYZ	35.0716, 31.9717, 5.5537
YIQ	147.1940, 74.6460, -20.2180

Conversions

Conversions Part 2

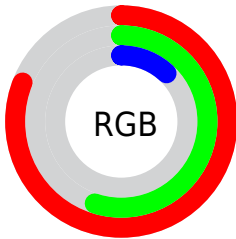
Format	Color
RYB	136, 206, 30
Decimal	13536286
CIELab	63.32, 16.73, 62.59
CIElCh	63, 64.784, 75.032
Yxy	31.9717, 0.4831, 0.4404
Android (android.graphics.Color)	4291726366 (0xFFCE8C1E)
YUV	147.1940, -57.7766, 51.5729
Hunter-Lab	56.5435, 11.7649, 33.7570

Details

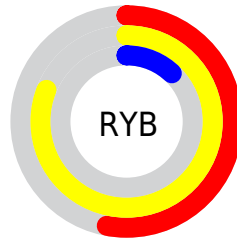
The Yxy color **31.9717, 0.4831, 0.4404** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **13.1138, 0.1781, 0.1472**, and the grayscale version is **29.4859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0718, 0.4453, 0.4316**, and **13.4233, 0.5051, 0.4371** is the 20% darker color. If you saturate the color by 10%, you get **29.7197, 0.4989, 0.4387**, and if you desaturate by 10%, it is **34.4543, 0.4640, 0.4369**.

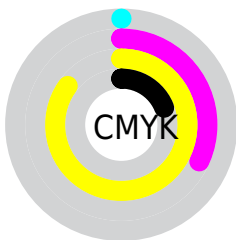
Distribution



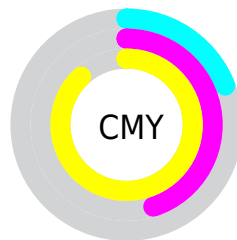
- Red (81%)
- Green (55%)
- Blue (12%)



- Red (53%)
- Yellow (81%)
- Blue (12%)



- Cyan (0%)
- Magenta (32%)
- Yellow (85%)
- Black (19%)





- Cyan (19%)
- Magenta (45%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9717, 0.4831, 0.4404 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 31.9717, 0.4831, 0.4404 by changing the saturation by 10% instead.

 31.9717, 0.4831,
0.4404


 31.9717, 0.4831,
0.4404


310.9903, 0.3997,
0.3929

 21.3399, 0.5004,
0.4470


 62.7667, 0.4548,
0.4265


 13.3727, 0.5195,
0.4519


 83.6987, 0.4435,
0.4202

 7.6857, 0.5440,
0.4560

 108.8329, 0.4336,
0.4144

 3.8945, 0.5577,
0.4423

 138.5536, 0.4250,
0.4092

 1.6147, 0.5799,
0.4201

 173.2454, 0.4175,
0.4045

 0.3675, 0.6734,
0.3266

 213.2925, 0.4108,

 0.0000, 0.0000,

0.4002

0.0000

259.0793, 0.4049,
0.3964

■ 31.9717, 0.4831,
0.4404

■ 31.9717, 0.4831,
0.4404

■ 29.7197, 0.4989,
0.4387

■ 34.4543, 0.4640,
0.4369

■ 28.7519, 0.5055,
0.4368

■ 37.1775, 0.4428,
0.4286

■ 40.1553, 0.4204,
0.4166

■ 43.3990, 0.3980,
0.4021

■ 46.9185, 0.3765,
0.3861

■ 50.7235, 0.3563,
0.3695

■ 54.8225, 0.3378,
0.3531

■ 59.2238, 0.3210,
0.3372

■ 63.9355, 0.3061,
0.3222

Harmonies

Analogous

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



31.9717, 0.5121, 0.3696



31.9717, 0.4831, 0.4404



31.9717, 0.4104, 0.5023

Triad

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



31.9717, 0.4831, 0.4404



31.9717, 0.1694, 0.3268



31.9717, 0.2786, 0.2010

Complementary

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



31.9717, 0.4831, 0.4404



13.1138, 0.1781, 0.1472

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.



31.9717, 0.2007, 0.1829



31.9717, 0.4831, 0.4404



31.9717, 0.1467, 0.2376

Square

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



31.9717, 0.4831, 0.4404



31.9717, 0.2299, 0.4436



31.9717, 0.1575, 0.1927



31.9717, 0.3826, 0.2431

Rectangle

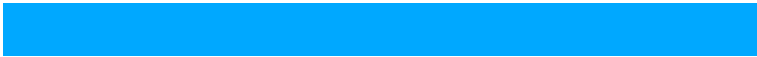
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.9717, 0.4831, 0.4404



31.9717, 0.3500, 0.5201



31.9717, 0.1575, 0.1927



31.9717, 0.2488, 0.1921

Sweetspot

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



31.9733, 0.4831, 0.4404



81.5831, 0.3580, 0.3710



14.9286, 0.5031, 0.2672



16.9913, 0.3650, 0.3769



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.



31.9733, 0.4831, 0.4404



46.1658, 0.5068, 0.4358



54.6241, 0.3981, 0.5124



12.3617, 0.3275, 0.3435



17.8916, 0.5039, 0.4381



1.0659, 0.4832, 0.4545

Inverse Universe

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



13.1138, 0.1781, 0.1472



15.5278, 0.1655, 0.1157



6.0811, 0.1662, 0.0780



11.5222, 0.2983, 0.3141



6.2103, 0.1668, 0.1206



0.4652, 0.1779, 0.1605

Previews

White Background



This preview shows how the Yxy color 31.9717, 0.4831, 0.4404 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 31.9717, 0.4831, 0.4404 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 31.9717, 0.4831, 0.4404

Background



This preview shows how black text looks on a background with the Yxy color 31.9717, 0.4831, 0.4404.



This preview shows how white text looks on a background with the Yxy color 31.9717, 0.4831, 0.4404.

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

31.9717, 0.4831, 0.4404

Protanopia

32.1109, 0.4316, 0.4767

Deuteranopia

32.1017, 0.4656, 0.4569



Tritanopia

31.8558, 0.3964, 0.3167

Trichromacy



Original Color

31.9717, 0.4831, 0.4404

Protanomaly

31.9190, 0.4503, 0.4632

Deuteranomaly

32.0314, 0.4716, 0.4515

Tritanomaly

31.6719, 0.4386, 0.3714

Monochromacy



Original Color

31.9717, 0.4831, 0.4404

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2708, 0.3809, 0.3896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9717, 0.4831, 0.4404 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, 140, 30)` looks like.

```
.text, #text, p{  
    color:rgb(206, 140, 30)  
}
```

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, 140, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 140, 30) }
```

Border

The CSS property to change the border of an element to Yxy 31.9717, 0.4831, 0.4404 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, 140, 30) }
```

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

```
.border{ border-color:rgb(206, 140, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 140, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 140, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 140, 30);  
box-shadow:4px 4px 4px 4px rgb(206, 140,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9717, 0.4831, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 140, 30) }
```

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

```
.background{ background-color: rgb(206,  
140, 30) }
```

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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