

Converting Colors

$Y_{xy}(31.2371, 0.4764, 0.4264)$

Have a look what the booklet for
Yxy(31.2371, 0.4764, 0.4264)
contains.

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Color

Yxy(31.2349, 0.4770, 0.4262)

Conversions

Conversions Part 1

Format	Color
Hex	CE8931
RGB	206, 137, 49
RGB Percent	81%, 54%, 19%
CMY	0.1921, 0.4628, 0.8078
CMYK	0.00, 0.34, 0.76, 0.19
HSL	34°, 62%, 50%
HSV	34°, 76%, 81%
XYZ	34.9579, 31.2349, 7.0942
YIQ	147.5990, 69.3720, -12.7400

Conversions

Conversions Part 2

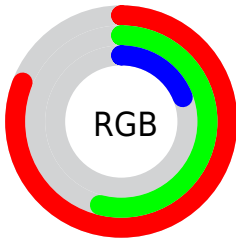
Format	Color
R _Y B	172, 206, 49
Decimal	13535537
CIE Lab	62.71, 18.99, 55.22
CIE LCh	63, 58.395, 71.022
Yxy	31.2349, 0.4770, 0.4262
Android (android.graphics.Color)	4291725617 (0xFFCE8931)
YUV	147.5990, -48.6093, 51.2177
Hunter-Lab	55.8882, 13.8468, 31.5957

Details

The Yxy color **31.2349, 0.4770, 0.4262** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **18.0777, 0.1931, 0.1847**, and the grayscale version is **29.6249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0265, 0.4383, 0.4172**, and **13.0194, 0.5120, 0.4317** is the 20% darker color. If you saturate the color by 10%, you get **28.6326, 0.4990, 0.4279**, and if you desaturate by 10%, it is **34.1361, 0.4528, 0.4196**.

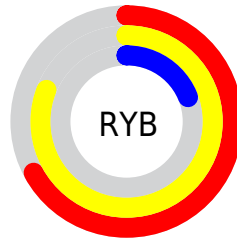
Distribution



Red (81%)

Green (54%)

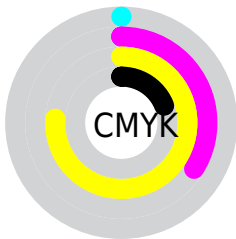
Blue (19%)



Red (67%)

Yellow (81%)

Blue (19%)

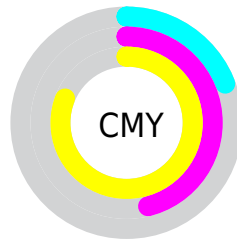


Cyan (0%)

Magenta (34%)

Yellow (76%)

Black (19%)



Cyan (19%)


Magenta (46%)


Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2349, 0.4770, 0.4262 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 31.2349, 0.4770, 0.4262 by changing the saturation by 10% instead.


 31.2349, 0.4770,
0.4262


 31.2349, 0.4770,
0.4262


 307.6190, 0.3941,
0.3837


 20.7778, 0.4956,
0.4327


 61.6097, 0.4479,
0.4134

 12.9617, 0.5172,
0.4380


 82.2962, 0.4365,
0.4077

 7.4022, 0.5493,
0.4457


 107.1613, 0.4268,
0.4025

 3.7149, 0.5677,
0.4323

 136.5893, 0.4184,
0.3979

 1.5154, 0.5933,
0.4067

 170.9647, 0.4111,
0.3938

 0.2995, 0.7142,
0.2858

 210.6719, 0.4047,

 0.0000, 0.0000,

0.3901

0.0000

256.0952, 0.3991,
0.3868

■ 31.2349, 0.4770,
0.4262

■ 31.2349, 0.4770,
0.4262

■ 28.6326, 0.4990,
0.4279

■ 34.1361, 0.4528,
0.4196

■ 26.3069, 0.5175,
0.4243

■ 37.3460, 0.4279,
0.4092

■ 25.4875, 0.5240,
0.4221

■ 40.8794, 0.4034,
0.3962

■ 44.7485, 0.3802,
0.3817

■ 48.9643, 0.3588,
0.3667

■ 53.5376, 0.3396,
0.3518

■ 58.4782, 0.3224,
0.3375

■ 63.7957, 0.3072,
0.3240

■ 69.4992, 0.2938,
0.3114

Harmonies

Analogous

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



31.2349, 0.4944, 0.3606



31.2349, 0.4770, 0.4262



31.2349, 0.4154, 0.4832

Triad

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



31.2349, 0.4770, 0.4262



31.2349, 0.1865, 0.3418



31.2349, 0.2707, 0.2066

Complementary

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



31.2349, 0.4770, 0.4262



18.0777, 0.1931, 0.1847

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.



31.2349, 0.2022, 0.1930



31.2349, 0.4770, 0.4262



31.2349, 0.1596, 0.2549

Square

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



31.2349, 0.4770, 0.4262



31.2349, 0.2479, 0.4444



31.2349, 0.1655, 0.2070



31.2349, 0.3638, 0.2435

Rectangle

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



31.2349, 0.4770, 0.4262



31.2349, 0.3609, 0.5017



31.2349, 0.1655, 0.2070



31.2349, 0.2444, 0.1992

Sweetspot

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



31.2365, 0.4770, 0.4262



81.4192, 0.3530, 0.3623



16.6709, 0.4541, 0.2530



16.8650, 0.3604, 0.3678



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.



31.2365, 0.4770, 0.4262



44.0980, 0.5104, 0.4264



56.4021, 0.4041, 0.4959



12.2390, 0.3276, 0.3420



15.8876, 0.5221, 0.4237



0.9692, 0.4967, 0.4438

Inverse Universe

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



18.0777, 0.1931, 0.1847



22.0609, 0.1771, 0.1518



7.5216, 0.1728, 0.0934



11.6421, 0.2983, 0.3157



7.4921, 0.1721, 0.1397



0.5368, 0.1828, 0.1779

Previews

White Background



This preview shows how the Yxy color 31.2349, 0.4770, 0.4262 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 31.2349, 0.4770, 0.4262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

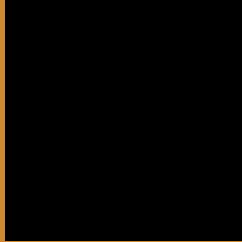
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2349, 0.4770, 0.4262

Background



This preview shows how black text looks on a background with the Yxy color 31.2349, 0.4770, 0.4262.



This preview shows how white text looks on a background with the Yxy color 31.2349, 0.4770, 0.4262.

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

31.2349, 0.4770, 0.4262

Protanopia

31.2596, 0.4208, 0.4623

Deuteranopia

31.2201, 0.4558, 0.4454



Tritanopia

31.1222, 0.3986, 0.3167

Trichromacy



Original Color

31.2349, 0.4770, 0.4262

Protanomaly

31.1826, 0.4405, 0.4492

Deuteranomaly

30.9908, 0.4637, 0.4381

Tritanomaly

30.8285, 0.4330, 0.3607

Monochromacy



Original Color

31.2349, 0.4770, 0.4262

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.5514, 0.3737, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2349, 0.4770, 0.4262 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, 137, 49)` looks like.

```
.text, #text, p{  
    color:rgb(206, 137, 49)  
}
```

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, 137, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 137, 49) }
```

Border

The CSS property to change the border of an element to Yxy 31.2349, 0.4770, 0.4262 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, 137, 49) }
```

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

```
.border{ border-color:rgb(206, 137, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 137, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 137, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 137, 49);  
box-shadow:4px 4px 4px 4px rgb(206, 137,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2349, 0.4770, 0.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 137, 49) }
```

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

```
.background{ background-color: rgb(206,  
137, 49) }
```

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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