

Converting Colors

Yxy(31.5171, 0.4929, 0.4468)

Have a look what the booklet for
Yxy(31.5171, 0.4929, 0.4468)
contains.

Yxy(31.4424, 0.4939, 0.4460)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.4424, 0.4939, 0.4460)

Conversions

Conversions Part 1

Format	Color
Hex	CF8A00
RGB	207, 138, 0
RGB Percent	81%, 54%, 0%
CMY	0.1883, 0.4588, 0.9995
CMYK	0.00, 0.33, 1.00, 0.19
HSL	40°, 100%, 41%
HSV	40°, 100%, 81%
XYZ	34.8193, 31.4424, 4.2370
YIQ	142.8990, 85.4220, -28.2900

Conversions

Conversions Part 2

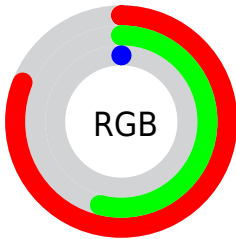
Format	Color
RYB	104, 207, 0
Decimal	13601280
CIELab	62.88, 17.77, 68.23
CIELCh	63, 70.501, 75.403
Yxy	31.4424, 0.4939, 0.4460
Android (android.graphics.Color)	4291791360 (0xFFCF8A00)
YUV	142.8990, -70.4492, 56.2166
Hunter-Lab	56.0735, 12.7123, 34.7715

Details

The Yxy color **31.4424, 0.4939, 0.4460** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **8.7740, 0.1630, 0.1068**, and the grayscale version is **27.6933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9895, 0.4544, 0.4391**, and **13.1825, 0.5101, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **31.4322, 0.4940, 0.4460**, and if you desaturate by 10%, it is **33.5413, 0.4810, 0.4484**.

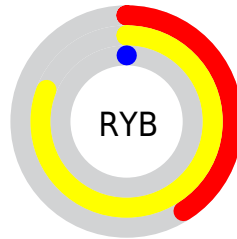
Distribution



Red (81%)

Green (54%)

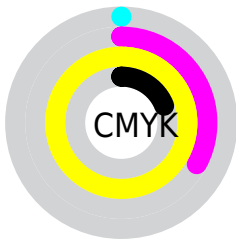
Blue (0%)



Red (41%)

Yellow (81%)

Blue (0%)

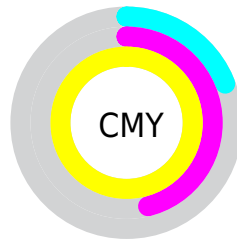


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4424, 0.4939, 0.4460 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 31.4424, 0.4939, 0.4460 by changing the saturation by 10% instead.

 31.4424, 0.4939,
0.4460


 31.4424, 0.4939,
0.4460


308.5713, 0.4070,
0.3983

 20.9360, 0.5108,
0.4514


 61.9359, 0.4652,
0.4330

 13.0772, 0.5305,
0.4556

 82.6918, 0.4534,
0.4267

 7.4817, 0.5479,
0.4521


 107.6329, 0.4431,
0.4209


 3.7652, 0.5625,
0.4375

 137.1437, 0.4340,
0.4155

 1.5431, 0.5865,
0.4135

 171.6085, 0.4260,
0.4106

 0.3188, 0.6980,
0.3020

 211.4118, 0.4189,

 0.0000, 0.0000,

0.4061

0.0000

256.9379, 0.4126,
0.4020

31.4424, 0.4939,
0.4460

31.4424, 0.4939,
0.4460

31.4322, 0.4940,
0.4460

33.5413, 0.4810,
0.4484

35.8239, 0.4652,
0.4464

38.3129, 0.4467,
0.4394

41.0210, 0.4264,
0.4282

43.9591, 0.4054,
0.4138

■ 47.1370, 0.3844,
0.3975

■ 50.5634, 0.3643,
0.3801

■ 54.2468, 0.3455,
0.3625

■ 58.1949, 0.3283,
0.3453

Harmonies

Analogous

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



31.4424, 0.5288, 0.3700



31.4424, 0.4939, 0.4460



31.4424, 0.4137, 0.5159

Triad

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



31.4424, 0.4939, 0.4460



31.4424, 0.1575, 0.3236



31.4424, 0.2763, 0.1923

Complementary

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



31.4424, 0.4939, 0.4460



8.7740, 0.1630, 0.1068

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.



31.4424, 0.1928, 0.1727



31.4424, 0.4939, 0.4460



31.4424, 0.1351, 0.2279

Square

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



31.4424, 0.4939, 0.4460



31.4424, 0.2206, 0.4544



31.4424, 0.1472, 0.1819



31.4424, 0.3899, 0.2370

Rectangle

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



31.4424, 0.4939, 0.4460



31.4424, 0.3486, 0.5385



31.4424, 0.1472, 0.1819



31.4424, 0.2442, 0.1828

Sweetspot

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



31.4440, 0.4939, 0.4460



80.8052, 0.3652, 0.3808



13.7414, 0.5595, 0.2856



16.7850, 0.3736, 0.3883



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.



31.4440, 0.4939, 0.4460



49.9983, 0.4951, 0.4451



53.8467, 0.3929, 0.5262



13.1057, 0.3274, 0.3444



19.9860, 0.4927, 0.4470



1.2602, 0.4759, 0.4603

Inverse Universe

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



8.7740, 0.1630, 0.1068



13.7217, 0.1624, 0.1046



4.8008, 0.1558, 0.0632



12.0526, 0.2982, 0.3131



5.6783, 0.1637, 0.1091



0.4623, 0.1741, 0.1467

Previews

White Background



This preview shows how the Yxy color 31.4424, 0.4939, 0.4460 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 31.4424, 0.4939, 0.4460 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 31.4424, 0.4939, 0.4460

Background



This preview shows how black text looks on a background with the Yxy color 31.4424, 0.4939, 0.4460.



This preview shows how white text looks on a background with the Yxy color 31.4424, 0.4939, 0.4460.

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

31.4424, 0.4939, 0.4460

Protanopia

31.5848, 0.4377, 0.4853

Deuteranopia

31.5883, 0.4716, 0.4638



Tritanopia

31.4195, 0.4008, 0.3168

Trichromacy



Original Color

31.4424, 0.4939, 0.4460

Protanomaly

31.5138, 0.4582, 0.4712

Deuteranomaly

31.3518, 0.4803, 0.4568

Tritanomaly

31.0560, 0.4541, 0.3824

Monochromacy



Original Color

31.4424, 0.4939, 0.4460

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.9121, 0.3939, 0.4051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4424, 0.4939, 0.4460 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(207, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 138, 0)  
}
```

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(207, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.4424, 0.4939, 0.4460 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(207, 138, 0) }
```

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

```
.border{ border-color:rgb(207, 138, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 138,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4424, 0.4939, 0.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 138, 0) }
```

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

```
.background{ background-color: rgb(207,  
138, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor