

Converting Colors

$Y_{xy}(31.5869, 0.4891, 0.4496)$

Have a look what the booklet for
Yxy(31.5869, 0.4891, 0.4496)
contains.

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Color

Yxy(31.5957, 0.4884, 0.4501)

Conversions

Conversions Part 1

Format	Color
Hex	CC8C01
RGB	204, 140, 1
RGB Percent	80%, 55%, 0%
CMY	0.2000, 0.4509, 0.9965
CMYK	0.00, 0.31, 1.00, 0.20
HSL	41°, 99%, 40%
HSV	41°, 100%, 80%
XYZ	34.2842, 31.5957, 4.3171
YIQ	143.2900, 82.7630, -29.6610

Conversions

Conversions Part 2

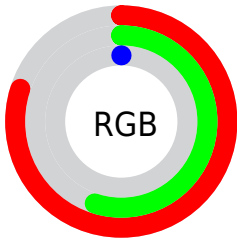
Format	Color
RYB	94, 204, 1
Decimal	13405185
CIELab	63.01, 15.37, 68.02
CIElCh	63, 69.737, 77.264
Yxy	31.5957, 0.4884, 0.4501
Android (android.graphics.Color)	4291595265 (0xFFCC8C01)
YUV	143.2900, -70.1490, 53.2427
Hunter-Lab	56.2101, 10.5051, 34.7934

Details

The Yxy color **31.5957, 0.4884, 0.4501** 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 **8.1329, 0.1621, 0.1030**, and the grayscale version is **27.8482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8678, 0.4527, 0.4409**, and **13.2416, 0.5026, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **31.5126, 0.4889, 0.4500**, and if you desaturate by 10%, it is **33.5843, 0.4762, 0.4519**.

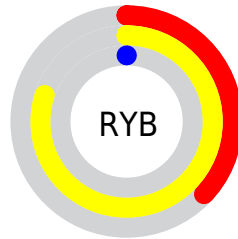
Distribution



Red (80%)

Green (55%)

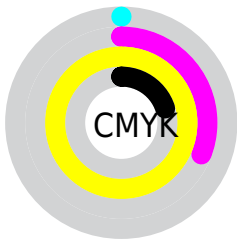
Blue (0%)



Red (37%)

Yellow (80%)

Blue (0%)

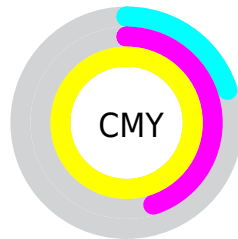


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5957, 0.4884, 0.4501 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 31.5957, 0.4884, 0.4501 by changing the saturation by 10% instead.


 31.5957, 0.4884,
0.4501


 31.5957, 0.4884,
0.4501


309.2734, 0.4044,
0.3996


 21.0529, 0.5046,
0.4564


 62.1767, 0.4608,
0.4359

 13.1627, 0.5233,
0.4617


 82.9837, 0.4493,
0.4292


 7.5407, 0.5399,
0.4601


 107.9809, 0.4393,
0.4231

 3.8025, 0.5527,
0.4473

 137.5527, 0.4306,
0.4174

 1.5637, 0.5737,
0.4263

 172.0834, 0.4228,
0.4123

 0.3329, 0.6751,
0.3249


 211.9575, 0.4159,

 0.0000, 0.0000,


0.4076

0.0000


 257.5594, 0.4098,
0.4034


 31.5957, 0.4884,
0.4501


 31.5957, 0.4884,
0.4501

 31.5126, 0.4889,
0.4500

 33.5843, 0.4762,
0.4519

 35.7393, 0.4611,
0.4493

 38.0817, 0.4433,
0.4417

 40.6231, 0.4237,
0.4300

 43.3738, 0.4033,
0.4152

■ 46.3428, 0.3829,
0.3985

■ 49.5383, 0.3632,
0.3807

■ 52.9680, 0.3447,
0.3627

■ 56.6390, 0.3276,
0.3451

Harmonies

Analogous

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



31.5957, 0.5262, 0.3747



31.5957, 0.4884, 0.4501



31.5957, 0.4074, 0.5174

Triad

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



31.5957, 0.4884, 0.4501



31.5957, 0.1566, 0.3165



31.5957, 0.2832, 0.1957

Complementary

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



31.5957, 0.4884, 0.4501



8.1329, 0.1621, 0.1030

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.



31.5957, 0.1981, 0.1746



31.5957, 0.4884, 0.4501



31.5957, 0.1365, 0.2250

Square

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



31.5957, 0.4884, 0.4501



31.5957, 0.2168, 0.4450



31.5957, 0.1505, 0.1819



31.5957, 0.3963, 0.2414

Rectangle

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



31.5957, 0.4884, 0.4501



31.5957, 0.3425, 0.5360



31.5957, 0.1505, 0.1819



31.5957, 0.2506, 0.1857

Sweetspot

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



31.5973, 0.4884, 0.4501



81.5891, 0.3648, 0.3822



13.2405, 0.5706, 0.2920



16.9725, 0.3731, 0.3898



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.



31.5973, 0.4884, 0.4501



51.7874, 0.4900, 0.4491



51.3754, 0.3871, 0.5306



12.4772, 0.3273, 0.3448



20.0085, 0.4877, 0.4510



1.1645, 0.4712, 0.4641

Inverse Universe

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



8.1329, 0.1621, 0.1030



13.0074, 0.1611, 0.1001



4.7936, 0.1584, 0.0648



11.4112, 0.2983, 0.3127



5.2198, 0.1624, 0.1047



0.4057, 0.1736, 0.1449

Previews

White Background



This preview shows how the Yxy color 31.5957, 0.4884, 0.4501 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 31.5957, 0.4884, 0.4501 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 31.5957, 0.4884, 0.4501

Background



This preview shows how black text looks on a background with the Yxy color 31.5957, 0.4884, 0.4501.



This preview shows how white text looks on a background with the Yxy color 31.5957, 0.4884, 0.4501.

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

31.5957, 0.4884, 0.4501

Protanopia

31.5822, 0.4379, 0.4856

Deuteranopia

31.5883, 0.4716, 0.4638



Tritanopia

31.5604, 0.3942, 0.3166

Trichromacy



Original Color

31.5957, 0.4884, 0.4501

Protanomaly

31.3899, 0.4572, 0.4720

Deuteranomaly

31.5152, 0.4780, 0.4586

Tritanomaly

31.1814, 0.4482, 0.3846

Monochromacy



Original Color

31.5957, 0.4884, 0.4501

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.1007, 0.3920, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5957, 0.4884, 0.4501 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(204, 140, 1)` looks like.

```
.text, #text, p{  
    color:rgb(204, 140, 1)  
}
```

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(204, 140, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 140, 1) }
```

Border

The CSS property to change the border of an element to Yxy 31.5957, 0.4884, 0.4501 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(204, 140, 1) }
```

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

```
.border{ border-color:rgb(204, 140, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 140, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 140, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 140, 1);  
box-shadow:4px 4px 4px 4px rgb(204, 140,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5957, 0.4884, 0.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 140, 1) }
```

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

```
.background{ background-color: rgb(204,  
140, 1) }
```

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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