

Converting Colors

$Yxy(27.5195, 0.4982, 0.4426)$

Have a look what the booklet for
Yxy(27.5195, 0.4982, 0.4426)
contains.

Yxy(27.4441, 0.4992, 0.4418)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.4441, 0.4992, 0.4418)

Conversions

Conversions Part 1

Format	Color
Hex	C68000
RGB	198, 128, 0
RGB Percent	78%, 50%, 0%
CMY	0.2235, 0.4980, 0.9997
CMYK	0.00, 0.35, 1.00, 0.22
HSL	39°, 100%, 39%
HSV	39°, 100%, 78%
XYZ	31.0097, 27.4441, 3.6650
YIQ	134.3380, 82.8080, -24.9680

Conversions

Conversions Part 2

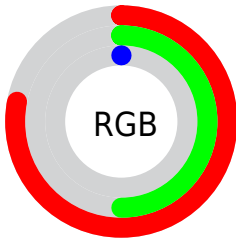
Format	Color
R_{YB}	108, 198, 0
Decimal	13008896
CIE _{Lab}	59.38, 19.28, 65.40
CIE _{LCh}	59, 68.179, 73.571
Yxy	27.4441, 0.4992, 0.4418
Android (android.graphics.Color)	4291198976 (0xFFC68000)
YUV	134.3380, -66.2286, 55.8316
Hunter-Lab	52.3871, 13.9828, 32.5230

Details

The Yxy color **27.4441, 0.4992, 0.4418** 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 **8.4697, 0.1646, 0.1125**, and the grayscale version is **24.2016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7374, 0.4645, 0.4321**, and **10.9952, 0.5167, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **27.4375, 0.4992, 0.4418**, and if you desaturate by 10%, it is **29.3861, 0.4853, 0.4445**.

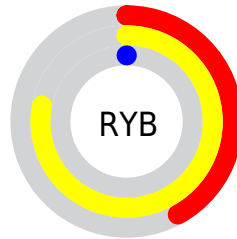
Distribution



Red (78%)

Green (50%)

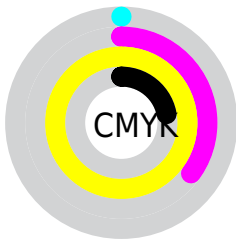
Blue (0%)



Red (42%)

Yellow (78%)

Blue (0%)

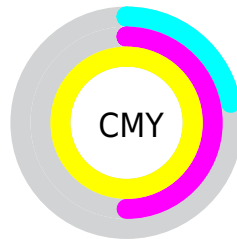


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4441, 0.4992, 0.4418 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 27.4441, 0.4992, 0.4418 by changing the saturation by 10% instead.


 27.4441, 0.4992,
0.4418


 27.4441, 0.4992,
0.4418


289.8010, 0.4073,
0.3956


 17.9070, 0.5175,
0.4465


 55.5957, 0.4684,
0.4295

 10.8833, 0.5415,
0.4513


 74.9790, 0.4558,
0.4233

 5.9884, 0.5576,
0.4424

 98.4132, 0.4449,
0.4176

 2.8380, 0.5760,
0.4240

 126.2826, 0.4354,
0.4123

 1.0478, 0.6073,
0.3927

 158.9717, 0.4270,
0.4075

 0.0000, 1.0000,
0.0000

 196.8649, 0.4196,

 0.0000, 0.0000,


0.4031


0.0000

 240.3465, 0.4131,
0.3992

 27.4441, 0.4992,
0.4418


 27.4441, 0.4992,
0.4418


 27.4375, 0.4992,
0.4418

 29.3861, 0.4853,
0.4445

 31.5062, 0.4686,
0.4428

 33.8262, 0.4492,
0.4361

 36.3575, 0.4281,
0.4252

 39.1104, 0.4064,
0.4113

■ 42.0939, 0.3850,
0.3954

■ 45.3163, 0.3646,
0.3785

■ 48.7856, 0.3457,
0.3615

■ 52.5089, 0.3283,
0.3448

Harmonies

Analogous

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



27.4441, 0.5310, 0.3654



27.4441, 0.4992, 0.4418



27.4441, 0.4200, 0.5141

Triad

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



27.4441, 0.4992, 0.4418



27.4441, 0.1587, 0.3309



27.4441, 0.2696, 0.1891

Complementary

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



27.4441, 0.4992, 0.4418



8.4697, 0.1646, 0.1125

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.



27.4441, 0.1878, 0.1711



27.4441, 0.4992, 0.4418



27.4441, 0.1339, 0.2311

Square

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



27.4441, 0.4992, 0.4418



27.4441, 0.2246, 0.4636



27.4441, 0.1441, 0.1822



27.4441, 0.3835, 0.2327

Rectangle

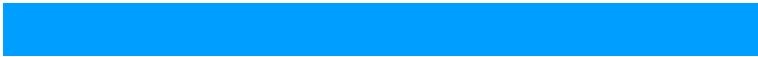
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.4441, 0.4992, 0.4418



27.4441, 0.3547, 0.5403



27.4441, 0.1441, 0.1822



27.4441, 0.2379, 0.1801

Sweetspot

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



27.4455, 0.4992, 0.4418



79.9492, 0.3656, 0.3793



12.4850, 0.5523, 0.2816



16.5804, 0.3742, 0.3866



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.



27.4455, 0.4992, 0.4418



48.1001, 0.5007, 0.4406



49.1190, 0.3959, 0.5238



11.7613, 0.3274, 0.3439



18.0080, 0.4979, 0.4429



0.9854, 0.4775, 0.4591

Inverse Universe

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



8.4697, 0.1646, 0.1125



14.5652, 0.1639, 0.1099



4.3053, 0.1549, 0.0627



10.8911, 0.2983, 0.3137



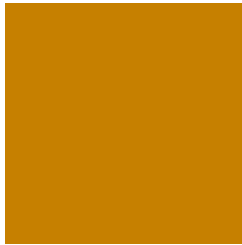
5.6499, 0.1653, 0.1149



0.4040, 0.1772, 0.1580

Previews

White Background



This preview shows how the Yxy color 27.4441, 0.4992, 0.4418 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4441, 0.4992, 0.4418 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 × Fail

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

Yxy 27.4441, 0.4992, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 27.4441, 0.4992, 0.4418.



This preview shows how white text looks on a background with the Yxy color 27.4441, 0.4992, 0.4418.

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

27.4441, 0.4992, 0.4418

Protanopia

27.6596, 0.4374, 0.4848

Deuteranopia

27.4321, 0.4713, 0.4640



Tritanopia

27.4487, 0.4063, 0.3175

Trichromacy



Original Color

27.4441, 0.4992, 0.4418

Protanomaly

27.3106, 0.4604, 0.4689

Deuteranomaly

27.3399, 0.4815, 0.4558

Tritanomaly

26.9307, 0.4599, 0.3807

Monochromacy



Original Color

27.4441, 0.4992, 0.4418

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.3265, 0.3956, 0.4044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4441, 0.4992, 0.4418 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(198, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 128, 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(198, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.4441, 0.4992, 0.4418 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(198, 128, 0) }
```

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

```
.border{ border-color:rgb(198, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 128,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4441, 0.4992, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 128, 0) }
```

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

```
.background{ background-color: rgb(198,  
128, 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