

Converting Colors

$Y_{xy}(36.3490, 0.4880, 0.4507)$

Have a look what the booklet for
Yxy(36.3490, 0.4880, 0.4507)
contains.

| | |
|---|----|
| Yxy(36.2466, 0.4888, 0.4501) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(36.2466, 0.4888, 0.4501)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D99500 |
| RGB | 217, 149, 0 |
| RGB Percent | 85%, 58%, 0% |
| CMY | 0.1490, 0.4157, 1.0000 |
| CMYK | 0.00, 0.31, 1.00, 0.15 |
| HSL | 41°, 100%, 43% |
| HSV | 41°, 100%, 85% |
| XYZ | 39.3631, 36.2466, 4.9204 |
| YIQ | 152.3460, 88.3570, -31.9230 |

Conversions

Conversions Part 2

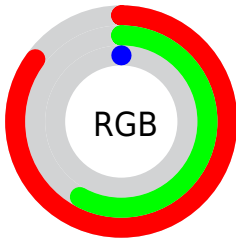
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 99, 217, 0 |
| Decimal | 14259456 |
| CIE Lab | 66.71, 16.20, 71.36 |
| CIE LCh | 67, 73.177, 77.213 |
| Yxy | 36.2466, 0.4888, 0.4501 |
| Android (android.graphics.Color) | 4292449536 (0xFFD99500) |
| YUV | 152.3460, -75.1066, 56.7016 |
| Hunter-Lab | 60.2051, 11.3472, 37.2980 |

Details

The Yxy color **36.2466, 0.4888, 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 **9.1437, 0.1615, 0.1012**, and the grayscale version is **31.8609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4663, 0.4437, 0.4481**, and **15.8033, 0.5025, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **36.2485, 0.4888, 0.4501**, and if you desaturate by 10%, it is **38.5203, 0.4768, 0.4523**.

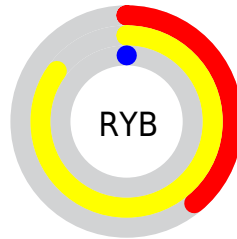
Distribution



Red (85%)

Green (58%)

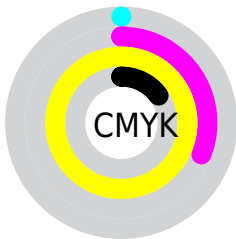
Blue (0%)



Red (39%)

Yellow (85%)

Blue (0%)

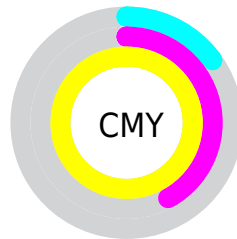


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2466, 0.4888, 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 36.2466, 0.4888, 0.4501 by changing the saturation by 10% instead.

 36.2466, 0.4888,
0.4501

 36.2466, 0.4888,
0.4501


330.0371, 0.4068,
0.4012


 24.6247, 0.5042,
0.4561


 69.4125, 0.4622,
0.4366

 15.7977, 0.5210,
0.4603

 91.7253, 0.4511,
0.4302


 9.3811, 0.5389,
0.4611


 118.3706, 0.4414,
0.4242

 4.9906, 0.5504,
0.4496

 149.7327, 0.4327,
0.4187

 2.2417, 0.5684,
0.4316

 186.1959, 0.4251,
0.4137

 0.7426, 0.6032,
0.3968

 228.1449, 0.4183,


 0.0000, 1.0000,


0.4091


0.0000


 275.9638, 0.4122,
0.4050


 0.0000, 0.0000,
0.0000

 36.2466, 0.4888,
0.4501


 36.2466, 0.4888,
0.4501


 36.2485, 0.4888,
0.4501

 38.5203, 0.4768,
0.4523

 40.9835, 0.4620,
0.4499

 43.6614, 0.4444,
0.4427

 46.5675, 0.4249,
0.4312

 49.7138, 0.4045,
0.4164

■ 53.1108, 0.3840,
0.3997

■ 56.7681, 0.3642,
0.3818

■ 60.6947, 0.3456,
0.3637

■ 64.8989, 0.3284,
0.3460

Harmonies

Analogous

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



36.2466, 0.5266, 0.3746



36.2466, 0.4888, 0.4501



36.2466, 0.4077, 0.5176

Triad

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



36.2466, 0.4888, 0.4501



36.2466, 0.1564, 0.3167



36.2466, 0.2829, 0.1954

Complementary

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



36.2466, 0.4888, 0.4501



9.1437, 0.1615, 0.1012

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.



36.2466, 0.1977, 0.1743



36.2466, 0.4888, 0.4501



36.2466, 0.1362, 0.2249

Square

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



36.2466, 0.4888, 0.4501



36.2466, 0.2167, 0.4455



36.2466, 0.1502, 0.1817



36.2466, 0.3963, 0.2412

Rectangle

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



36.2466, 0.4888, 0.4501



36.2466, 0.3427, 0.5366



36.2466, 0.1502, 0.1817



36.2466, 0.2503, 0.1854

Sweetspot

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



36.2485, 0.4888, 0.4501



81.6625, 0.3647, 0.3823



15.1782, 0.5729, 0.2930



16.9901, 0.3730, 0.3900



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.



36.2485, 0.4888, 0.4501



51.9576, 0.4896, 0.4495



58.9994, 0.3869, 0.5310



14.5397, 0.3274, 0.3450



22.1392, 0.4875, 0.4511



1.5857, 0.4737, 0.4621

Inverse Universe

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



9.1437, 0.1615, 0.1012



12.9432, 0.1610, 0.0997



5.4566, 0.1578, 0.0643



13.2796, 0.2981, 0.3125



5.7022, 0.1622, 0.1037



0.5209, 0.1713, 0.1366

Previews

White Background



This preview shows how the Yxy color 36.2466, 0.4888, 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 36.2466, 0.4888, 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 36.2466, 0.4888, 0.4501

Background



This preview shows how black text looks on a background with the Yxy color 36.2466, 0.4888, 0.4501.

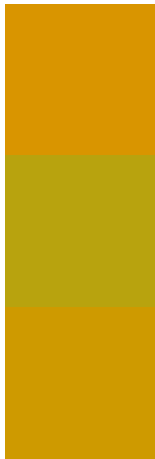


This preview shows how white text looks on a background with the Yxy color 36.2466, 0.4888, 0.4501.

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

36.2466, 0.4888, 0.4501

Protanopia

36.4164, 0.4388, 0.4851

Deuteranopia

36.2330, 0.4727, 0.4628



Tritanopia

36.0349, 0.3943, 0.3161

Trichromacy



Original Color

36.2466, 0.4888, 0.4501

Protanomaly

36.2092, 0.4572, 0.4724

Deuteranomaly

36.1581, 0.4789, 0.4580

Tritanomaly

35.5444, 0.4488, 0.3839

Monochromacy



Original Color

36.2466, 0.4888, 0.4501

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.2264, 0.3928, 0.4067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2466, 0.4888, 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(217, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 149, 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(217, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 149, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.2466, 0.4888, 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(217, 149, 0) }
```

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

```
.border{ border-color:rgb(217, 149, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 149,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2466, 0.4888, 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(217, 149, 0) }
```

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

```
.background{ background-color: rgb(217,  
149, 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