

Converting Colors

$Yxy(36.7063, 0.4870, 0.4515)$

Have a look what the booklet for
Yxy(36.7063, 0.4870, 0.4515)
contains.

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Color

Yxy(36.5644, 0.4876, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	D99600
RGB	217, 150, 0
RGB Percent	85%, 59%, 0%
CMY	0.1490, 0.4118, 1.0000
CMYK	0.00, 0.31, 1.00, 0.15
HSL	41°, 100%, 43%
HSV	41°, 100%, 85%
XYZ	39.5229, 36.5644, 4.9687
YIQ	152.9330, 88.0820, -32.4460

Conversions

Conversions Part 2

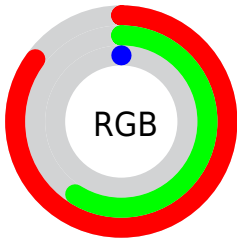
Format	Color
R _Y B	97, 217, 0
Decimal	14259712
CIE Lab	66.95, 15.66, 71.55
CIE LCh	67, 73.239, 77.653
Yxy	36.5644, 0.4876, 0.4511
Android (android.graphics.Color)	4292449792 (0xFFD99600)
YUV	152.9330, -75.3960, 56.1868
Hunter-Lab	60.4685, 10.8499, 37.4561

Details

The Yxy color **36.5644, 0.4876, 0.4511** 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 **9.0253, 0.1611, 0.1001**, and the grayscale version is **32.1320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9537, 0.4425, 0.4484**, and **15.9916, 0.5007, 0.4406** is the 20% darker color. If you saturate the color by 10%, you get **36.5667, 0.4876, 0.4511**, and if you desaturate by 10%, it is **38.8236, 0.4758, 0.4531**.

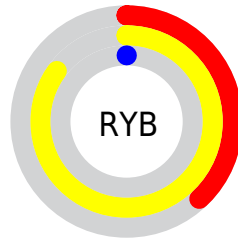
Distribution



Red (85%)

Green (59%)

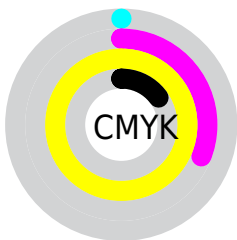
Blue (0%)



Red (38%)

Yellow (85%)

Blue (0%)

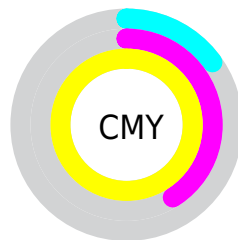


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5644, 0.4876, 0.4511 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 36.5644, 0.4876, 0.4511 by changing the saturation by 10% instead.


 36.5644, 0.4876,
0.4511


 36.5644, 0.4876,
0.4511


331.4208, 0.4063,
0.4016


 24.8704, 0.5028,
0.4573


 69.9023, 0.4613,
0.4374


 15.9805, 0.5193,
0.4617


 92.3150, 0.4503,
0.4309

 9.5104, 0.5370,
0.4630


 119.0694, 0.4407,
0.4248

 5.0756, 0.5481,
0.4519

 150.5499, 0.4321,
0.4193

 2.2917, 0.5654,
0.4346

 187.1409, 0.4245,
0.4142


 0.7693, 0.5979,
0.4021


 229.2268, 0.4178,


 0.0000, 1.0000,


0.4096

0.0000

 277.1919, 0.4117,
0.4055


 0.0000, 0.0000,
0.0000


 36.5644, 0.4876,
0.4511


 36.5644, 0.4876,
0.4511


 36.5667, 0.4876,
0.4511

 38.8236, 0.4758,
0.4531

 41.2686, 0.4612,
0.4507

 43.9247, 0.4438,
0.4434

 46.8055, 0.4245,
0.4318

 49.9227, 0.4042,
0.4170

■ 53.2869, 0.3838,
0.4001

■ 56.9075, 0.3641,
0.3821

■ 60.7934, 0.3455,
0.3639

■ 64.9530, 0.3284,
0.3461

Harmonies

Analogous

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



36.5644, 0.5262, 0.3756



36.5644, 0.4876, 0.4511



36.5644, 0.4062, 0.5181

Triad

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



36.5644, 0.4876, 0.4511



36.5644, 0.1561, 0.3150



36.5644, 0.2845, 0.1961

Complementary

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



36.5644, 0.4876, 0.4511



9.0253, 0.1611, 0.1001

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.



36.5644, 0.1989, 0.1746



36.5644, 0.4876, 0.4511



36.5644, 0.1365, 0.2242

Square

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



36.5644, 0.4876, 0.4511



36.5644, 0.2157, 0.4434



36.5644, 0.1509, 0.1816



36.5644, 0.3978, 0.2421

Rectangle

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



36.5644, 0.4876, 0.4511



36.5644, 0.3412, 0.5361



36.5644, 0.1509, 0.1816



36.5644, 0.2518, 0.1860

Sweetspot

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



36.5667, 0.4876, 0.4511



81.8586, 0.3646, 0.3826



15.1793, 0.5729, 0.2930



17.0371, 0.3729, 0.3903



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.



36.5667, 0.4876, 0.4511



52.4139, 0.4883, 0.4505



59.0040, 0.3869, 0.5310



14.5501, 0.3274, 0.3451



22.3289, 0.4863, 0.4521



1.5969, 0.4728, 0.4628

Inverse Universe

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



9.0253, 0.1611, 0.1001



12.7741, 0.1607, 0.0986



5.4571, 0.1578, 0.0643



13.2698, 0.2981, 0.3124



5.6285, 0.1618, 0.1026



0.5152, 0.1710, 0.1354

Previews

White Background



This preview shows how the Yxy color 36.5644, 0.4876, 0.4511 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 36.5644, 0.4876, 0.4511 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 36.5644, 0.4876, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 36.5644, 0.4876, 0.4511.



This preview shows how white text looks on a background with the Yxy color 36.5644, 0.4876, 0.4511.

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

36.5644, 0.4876, 0.4511

Protanopia

36.7730, 0.4378, 0.4860

Deuteranopia

36.7081, 0.4725, 0.4631



Tritanopia

36.5145, 0.3938, 0.3161

Trichromacy



Original Color

36.5644, 0.4876, 0.4511

Protanomaly

36.5518, 0.4560, 0.4733

Deuteranomaly

36.6313, 0.4785, 0.4582

Tritanomaly

35.8433, 0.4480, 0.3850

Monochromacy



Original Color

36.5644, 0.4876, 0.4511

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.5496, 0.3922, 0.4080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5644, 0.4876, 0.4511 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, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 150, 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, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 150, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.5644, 0.4876, 0.4511 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, 150, 0) }
```

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

```
.border{ border-color:rgb(217, 150, 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, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 150,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5644, 0.4876, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 150, 0) }
```

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

```
.background{ background-color: rgb(217,  
150, 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](#).

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