

Converting Colors

$Y_{xy}(36.9271, 0.4674, 0.4671)$

Have a look what the booklet for
Yxy(36.9271, 0.4674, 0.4671)
contains.

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Color

Yxy(36.9513, 0.4673, 0.4672)

Conversions

Conversions Part 1

Format	Color
Hex	CC9D00
RGB	204, 157, 0
RGB Percent	80%, 62%, 0%
CMY	0.2000, 0.3843, 1.0000
CMYK	0.00, 0.23, 1.00, 0.20
HSL	46°, 100%, 40%
HSV	46°, 100%, 80%
XYZ	36.9592, 36.9513, 5.1805
YIQ	153.1550, 78.4090, -38.8630

Conversions

Conversions Part 2

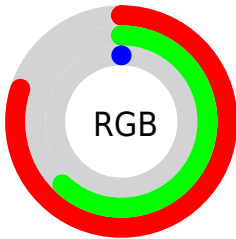
Format	Color
RYB	61, 204, 0
Decimal	13409536
CIELab	67.24, 6.15, 71.05
CIELCh	67, 71.313, 85.050
Yxy	36.9513, 0.4673, 0.4672
Android (android.graphics.Color)	4291599616 (0xFFCC9D00)
YUV	153.1550, -75.5054, 44.5911
Hunter-Lab	60.7876, 2.1508, 37.4985

Details

The Yxy color **36.9513, 0.4673, 0.4672** 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 **6.3928, 0.1567, 0.0841**, and the grayscale version is **32.2377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3565, 0.4371, 0.4541**, and **16.2374, 0.4739, 0.4620** is the 20% darker color. If you saturate the color by 10%, you get **36.9534, 0.4673, 0.4672**, and if you desaturate by 10%, it is **38.6265, 0.4585, 0.4673**.

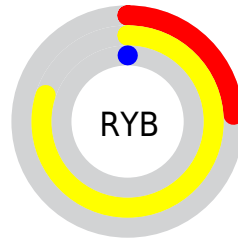
Distribution



Red (80%)

Green (62%)

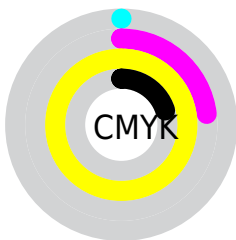
Blue (0%)



Red (24%)

Yellow (80%)

Blue (0%)

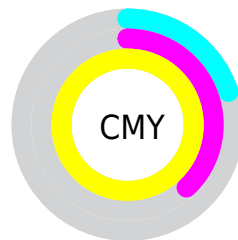


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (38%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9513, 0.4673, 0.4672 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 36.9513, 0.4673, 0.4672 by changing the saturation by 10% instead.


 36.9513, 0.4673,
0.4672


 36.9513, 0.4673,
0.4672


 333.0996, 0.3966,
0.4071


 25.1698, 0.4800,
0.4766


 70.4979, 0.4448,
0.4491

 16.2036, 0.4931,
0.4852


 93.0317, 0.4353,
0.4411

 9.6683, 0.5071,
0.4929


 119.9185, 0.4268,
0.4338

 5.1796, 0.5117,
0.4883

 151.5425, 0.4193,
0.4273

 2.3530, 0.5188,
0.4812

 188.2883, 0.4127,
0.4215

 0.8016, 0.5328,
0.4672


 230.5401, 0.4067,


 0.0000, 0.0000,


0.4162

0.0000


 278.6824, 0.4014,
0.4114

 36.9513, 0.4673,
0.4672


 36.9513, 0.4673,
0.4672


 36.9534, 0.4673,
0.4672

 38.6265, 0.4585,
0.4673

 40.4164, 0.4471,
0.4632

 42.3423, 0.4329,
0.4545

 44.4151, 0.4166,
0.4416

 46.6438, 0.3988,
0.4254

■ 49.0366, 0.3805,
0.4071

■ 51.6006, 0.3622,
0.3875

■ 54.3427, 0.3447,
0.3676

■ 57.2690, 0.3281,
0.3479

Harmonies

Analogous

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



36.9513, 0.5171, 0.3937



36.9513, 0.4673, 0.4672



36.9513, 0.3820, 0.5232

Triad

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



36.9513, 0.4673, 0.4672



36.9513, 0.1517, 0.2895



36.9513, 0.3112, 0.2082

Complementary

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



36.9513, 0.4673, 0.4672



6.3928, 0.1567, 0.0841

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.



36.9513, 0.2190, 0.1808



36.9513, 0.4673, 0.4672



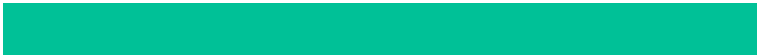
36.9513, 0.1408, 0.2129

Square

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



36.9513, 0.4673, 0.4672



36.9513, 0.2005, 0.4090



36.9513, 0.1629, 0.1805



36.9513, 0.4224, 0.2584

Rectangle

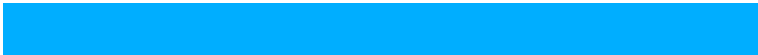
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.9513, 0.4673, 0.4672



36.9513, 0.3173, 0.5261



36.9513, 0.1629, 0.1805



36.9513, 0.2768, 0.1962

Sweetspot

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



36.9534, 0.4673, 0.4672



85.2805, 0.3630, 0.3883



13.0481, 0.5996, 0.3077



17.8588, 0.3707, 0.3967



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.



36.9534, 0.4673, 0.4672



60.8534, 0.4680, 0.4666



49.6341, 0.3726, 0.5424



12.6413, 0.3271, 0.3467



23.4047, 0.4665, 0.4678



1.3172, 0.4554, 0.4766

Inverse Universe

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



6.3928, 0.1567, 0.0841



10.3221, 0.1562, 0.0823



5.1552, 0.1658, 0.0687



11.2564, 0.2983, 0.3106



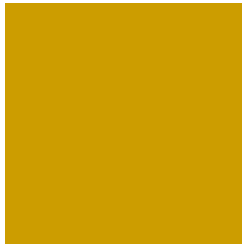
4.1422, 0.1573, 0.0862



0.3329, 0.1679, 0.1243

Previews

White Background



This preview shows how the Yxy color 36.9513, 0.4673, 0.4672 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 36.9513, 0.4673, 0.4672 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 36.9513, 0.4673, 0.4672

Background



This preview shows how black text looks on a background with the Yxy color 36.9513, 0.4673, 0.4672.



This preview shows how white text looks on a background with the Yxy color 36.9513, 0.4673, 0.4672.

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

36.9513, 0.4673, 0.4672

Protanopia

36.8871, 0.4394, 0.4862

Deuteranopia

36.7278, 0.4711, 0.4614



Tritanopia

36.9891, 0.3711, 0.3155

Trichromacy



Original Color

36.9513, 0.4673, 0.4672

Protanomaly

36.7094, 0.4502, 0.4788

Deuteranomaly

36.9119, 0.4695, 0.4636

Tritanomaly

36.2881, 0.4258, 0.3912

Monochromacy



Original Color

36.9513, 0.4673, 0.4672

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.7449, 0.3866, 0.4120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9513, 0.4673, 0.4672 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, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 157, 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(204, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 157, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.9513, 0.4673, 0.4672 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, 157, 0) }
```

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

```
.border{ border-color:rgb(204, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 157,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9513, 0.4673, 0.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 157, 0) }
```

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

```
.background{ background-color: rgb(204,  
157, 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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