

Converting Colors

$Y_{xy}(37.7938, 0.4644, 0.4695)$

Have a look what the booklet for
Yxy(37.7938, 0.4644, 0.4695)
contains.

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Color

Yxy(37.6336, 0.4649, 0.4691)

Conversions

Conversions Part 1

Format	Color
Hex	CC9F00
RGB	204, 159, 0
RGB Percent	80%, 62%, 0%
CMY	0.2001, 0.3764, 1.0000
CMYK	0.00, 0.22, 1.00, 0.20
HSL	47°, 100%, 40%
HSV	47°, 100%, 80%
XYZ	37.2967, 37.6336, 5.2949
YIQ	154.3290, 77.8590, -39.9090

Conversions

Conversions Part 2

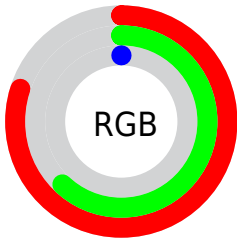
Format	Color
RYB	58, 204, 0
Decimal	13410048
CIELab	67.75, 5.07, 71.40
CIELCh	68, 71.575, 85.942
Yxy	37.6336, 0.4649, 0.4691
Android (android.graphics.Color)	4291600128 (0xFFCC9F00)
YUV	154.3290, -76.0842, 43.5615
Hunter-Lab	61.3462, 1.1667, 37.8250

Details

The Yxy color **37.6336, 0.4649, 0.4691** 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 **6.2337, 0.1562, 0.0823**, and the grayscale version is **32.7837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3703, 0.4352, 0.4551**, and **16.7449, 0.4718, 0.4636** is the 20% darker color. If you saturate the color by 10%, you get **37.6357, 0.4649, 0.4691**, and if you desaturate by 10%, it is **39.2629, 0.4565, 0.4690**.

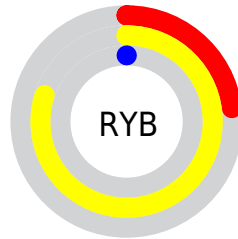
Distribution



Red (80%)

Green (62%)

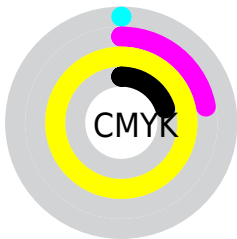
Blue (0%)



Red (23%)

Yellow (80%)

Blue (0%)

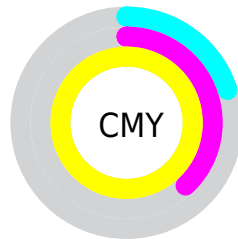


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6336, 0.4649, 0.4691 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 37.6336, 0.4649, 0.4691 by changing the saturation by 10% instead.

 37.6336, 0.4649,
0.4691


 37.6336, 0.4649,
0.4691


336.0456, 0.3957,
0.4080


 25.6984, 0.4772,
0.4788


 71.5462, 0.4430,
0.4506

 16.5982, 0.4897,
0.4878


 94.2924, 0.4337,
0.4424


 9.9484, 0.5035,
0.4965


 121.4111, 0.4254,
0.4351

 5.3648, 0.5072,
0.4928

 153.2867, 0.4180,
0.4284

 2.4628, 0.5130,
0.4870

 190.3035, 0.4115,
0.4225

 0.8579, 0.5236,
0.4764

 232.8460, 0.4057,

 0.0000, 0.0000,

0.4172

0.0000

281.2986, 0.4004,
0.4123

37.6336, 0.4649,
0.4691

37.6336, 0.4649,
0.4691

37.6357, 0.4649,
0.4691

39.2629, 0.4565,
0.4690

41.0017, 0.4454,
0.4648

42.8716, 0.4317,
0.4559

44.8832, 0.4156,
0.4428

47.0454, 0.3982,
0.4265

■ 49.3664, 0.3801,
0.4080

■ 51.8532, 0.3620,
0.3882

■ 54.5125, 0.3446,
0.3680

■ 57.3506, 0.3281,
0.3481

Harmonies

Analogous

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



37.6336, 0.5160, 0.3958



37.6336, 0.4649, 0.4691



37.6336, 0.3792, 0.5237

Triad

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



37.6336, 0.4649, 0.4691



37.6336, 0.1511, 0.2866



37.6336, 0.3144, 0.2096

Complementary

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



37.6336, 0.4649, 0.4691



6.2337, 0.1562, 0.0823

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.



37.6336, 0.2214, 0.1815



37.6336, 0.4649, 0.4691



37.6336, 0.1413, 0.2117

Square

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



37.6336, 0.4649, 0.4691



37.6336, 0.1988, 0.4050



37.6336, 0.1643, 0.1803



37.6336, 0.4253, 0.2604

Rectangle

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



37.6336, 0.4649, 0.4691



37.6336, 0.3145, 0.5247



37.6336, 0.1643, 0.1803



37.6336, 0.2798, 0.1974

Sweetspot

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



37.6357, 0.4649, 0.4691



85.7214, 0.3627, 0.3890



13.0454, 0.5996, 0.3077



17.9650, 0.3704, 0.3975



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.



37.6357, 0.4649, 0.4691



62.0052, 0.4656, 0.4685



49.6240, 0.3726, 0.5424



12.6607, 0.3271, 0.3470



23.8349, 0.4641, 0.4697



1.3361, 0.4537, 0.4780

Inverse Universe

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



6.2337, 0.1562, 0.0823



10.0698, 0.1557, 0.0805



5.1542, 0.1658, 0.0687



11.2384, 0.2983, 0.3104



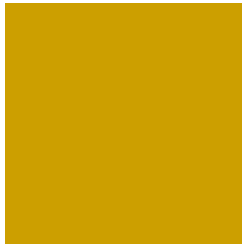
4.0389, 0.1568, 0.0843



0.3246, 0.1672, 0.1218

Previews

White Background



This preview shows how the Yxy color 37.6336, 0.4649, 0.4691 looks on a white background.

Color Contrast Check

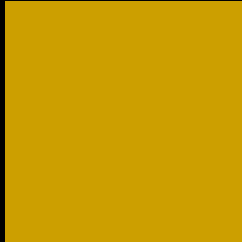
Large Text (above 18pt) WCAG AA × Fail

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 37.6336, 0.4649, 0.4691 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 37.6336, 0.4649, 0.4691

Background



This preview shows how black text looks on a background with the Yxy color 37.6336, 0.4649, 0.4691.



This preview shows how white text looks on a background with the Yxy color 37.6336, 0.4649, 0.4691.

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

37.6336, 0.4649, 0.4691

Protanopia

37.8591, 0.4392, 0.4864

Deuteranopia

37.6934, 0.4703, 0.4615



Tritanopia

37.6801, 0.3684, 0.3155

Trichromacy



Original Color

37.6336, 0.4649, 0.4691

Protanomaly

37.5450, 0.4489, 0.4799

Deuteranomaly

37.7345, 0.4679, 0.4646

Tritanomaly

36.9514, 0.4234, 0.3924

Monochromacy



Original Color

37.6336, 0.4649, 0.4691

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.4294, 0.3845, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6336, 0.4649, 0.4691 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, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 159, 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, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 159, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.6336, 0.4649, 0.4691 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, 159, 0) }
```

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

```
.border{ border-color:rgb(204, 159, 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, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 159,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6336, 0.4649, 0.4691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 159, 0) }
```

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

```
.background{ background-color: rgb(204,  
159, 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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