

Converting Colors

$Yxy(36.9475, 0.4427, 0.4676)$

Have a look what the booklet for
Yxy(36.9475, 0.4427, 0.4676)
contains.

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Color

Yxy(36.9671, 0.4432, 0.4669)

Conversions

Conversions Part 1

Format	Color
Hex	C1A126
RGB	193, 161, 38
RGB Percent	76%, 63%, 15%
CMY	0.2431, 0.3686, 0.8510
CMYK	0.00, 0.17, 0.80, 0.24
HSL	48°, 67%, 45%
HSV	48°, 80%, 76%
XYZ	35.0906, 36.9671, 7.1179
YIQ	156.5460, 58.5550, -31.4690

Conversions

Conversions Part 2

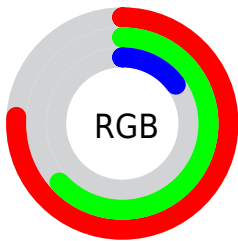
Format	Color
RYB	78, 193, 38
Decimal	12689702
CIELab	67.25, -0.15, 62.97
CIElCh	67, 62.971, 90.141
Yxy	36.9671, 0.4432, 0.4669
Android (android.graphics.Color)	4290879782 (0xFFC1A126)
YUV	156.5460, -58.4432, 31.9702
Hunter-Lab	60.8006, -3.3809, 35.6194

Details

The Yxy color **36.9671, 0.4432, 0.4669** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **8.6441, 0.1735, 0.1189**, and the grayscale version is **33.7509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2917, 0.4236, 0.4456**, and **16.3028, 0.4552, 0.4767** is the 20% darker color. If you saturate the color by 10%, you get **35.5037, 0.4536, 0.4713**, and if you desaturate by 10%, it is **38.5431, 0.4300, 0.4579**.

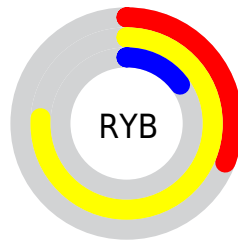
Distribution



Red (76%)

Green (63%)

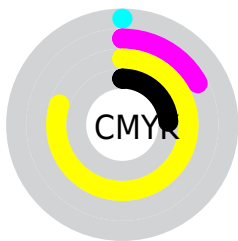
Blue (15%)



Red (31%)

Yellow (76%)

Blue (15%)

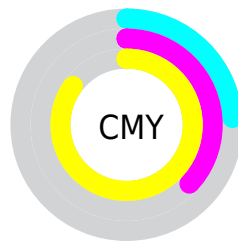


Cyan (0%)

Magenta (17%)

Yellow (80%)

Black (24%)



Cyan (24%)


Magenta (37%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9671, 0.4432, 0.4669 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 36.9671, 0.4432, 0.4669 by changing the saturation by 10% instead.


 36.9671, 0.4432,
0.4669


 36.9671, 0.4432,
0.4669


333.1681, 0.3822,
0.4024


 25.1820, 0.4549,
0.4793


 70.5222, 0.4232,
0.4458

 16.2127, 0.4672,
0.4924


 93.0610, 0.4150,
0.4370


 9.6748, 0.4845,
0.5108


 119.9531, 0.4077,
0.4294

 5.1839, 0.4867,
0.5133

 151.5830, 0.4014,
0.4226

 2.3556, 0.4865,
0.5135

 188.3351, 0.3957,
0.4167

 0.8029, 0.4861,
0.5139

 230.5937, 0.3907,

 0.0000, 0.0000,

0.4114

0.0000

278.7432, 0.3862,
0.4066

■ 36.9671, 0.4432,
0.4669

■ 36.9671, 0.4432,
0.4669

■ 35.5037, 0.4536,
0.4713

■ 38.5431, 0.4300,
0.4579

■ 34.1724, 0.4614,
0.4719

■ 40.2354, 0.4145,
0.4447

■ 42.0537, 0.3976,
0.4283

■ 44.0048, 0.3799,
0.4096

■ 46.0951, 0.3621,
0.3896

■ 48.3302, 0.3449,
0.3692

■ 50.7154, 0.3285,
0.3490

■ 53.2558, 0.3132,
0.3296

■ 55.9560, 0.2991,
0.3112

Harmonies

Analogous

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



36.9671, 0.4926, 0.4031



36.9671, 0.4432, 0.4669



36.9671, 0.3638, 0.5048

Triad

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



36.9671, 0.4432, 0.4669



36.9671, 0.1630, 0.2810



36.9671, 0.3287, 0.2261

Complementary

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



36.9671, 0.4432, 0.4669



8.6441, 0.1735, 0.1189

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.



36.9671, 0.2409, 0.1968



36.9671, 0.4432, 0.4669



36.9671, 0.1575, 0.2180

Square

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



36.9671, 0.4432, 0.4669



36.9671, 0.2029, 0.3809



36.9671, 0.1832, 0.1925



36.9671, 0.4254, 0.2756

Rectangle

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



36.9671, 0.4432, 0.4669



36.9671, 0.3048, 0.4950



36.9671, 0.1832, 0.1925



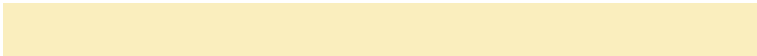
36.9671, 0.2968, 0.2138

Sweetspot

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



36.9689, 0.4432, 0.4669



84.8853, 0.3518, 0.3775



13.1877, 0.5373, 0.2971



17.9041, 0.3580, 0.3848



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9689, 0.4432, 0.4669



61.7976, 0.4593, 0.4717



44.6869, 0.3732, 0.5239



11.3936, 0.3270, 0.3472



22.8407, 0.4607, 0.4724



1.0781, 0.4498, 0.4810

Inverse Universe

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



8.6441, 0.1735, 0.1189



10.1449, 0.1574, 0.0842



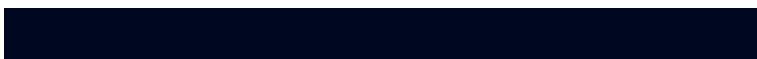
7.0263, 0.1918, 0.0977



10.0776, 0.2983, 0.3102



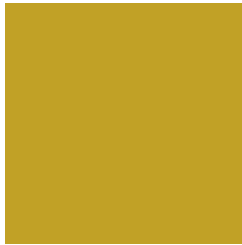
3.6587, 0.1562, 0.0822



0.2593, 0.1678, 0.1240

Previews

White Background



This preview shows how the Yxy color 36.9671, 0.4432, 0.4669 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 36.9671, 0.4432, 0.4669 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 36.9671, 0.4432, 0.4669

Background



This preview shows how black text looks on a background with the Yxy color 36.9671, 0.4432, 0.4669.

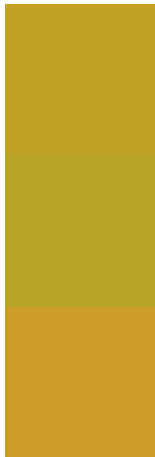


This preview shows how white text looks on a background with the Yxy color 36.9671, 0.4432, 0.4669.

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

36.9671, 0.4432, 0.4669

Protanopia

36.8877, 0.4307, 0.4755

Deuteranopia

37.0588, 0.4599, 0.4516



Tritanopia

36.8388, 0.3534, 0.3136

Trichromacy



Original Color

36.9671, 0.4432, 0.4669

Protanomaly

36.9057, 0.4347, 0.4724

Deuteranomaly

37.0244, 0.4534, 0.4574

Tritanomaly

36.4013, 0.3951, 0.3780

Monochromacy



Original Color

36.9671, 0.4432, 0.4669

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.2147, 0.3664, 0.3937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9671, 0.4432, 0.4669 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(193, 161, 38)` looks like.

```
.text, #text, p{  
    color:rgb(193, 161, 38)  
}
```

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(193, 161, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 161, 38) }
```

Border

The CSS property to change the border of an element to Yxy 36.9671, 0.4432, 0.4669 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(193, 161, 38) }
```

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

```
.border{ border-color:rgb(193, 161, 38) }
```

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

Here you see how a box with a 4 pixel rgb(193, 161, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 161, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 161, 38);  
box-shadow:4px 4px 4px 4px rgb(193, 161,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9671, 0.4432, 0.4669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 161, 38) }
```

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

```
.background{ background-color: rgb(193,  
161, 38) }
```

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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