

Converting Colors

$Y_{xy}(33.0755, 0.4707, 0.4405)$

Have a look what the booklet for
Yxy(33.0755, 0.4707, 0.4405)
contains.

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Color

Yxy(32.9511, 0.4710, 0.4397)

Conversions

Conversions Part 1

Format	Color
Hex	CC902A
RGB	204, 144, 42
RGB Percent	80%, 56%, 16%
CMY	0.1999, 0.4353, 0.8352
CMYK	0.00, 0.29, 0.79, 0.20
HSL	38°, 66%, 48%
HSV	38°, 79%, 80%
XYZ	35.2967, 32.9511, 6.6921
YIQ	150.3120, 68.5020, -19.0020

Conversions

Conversions Part 2

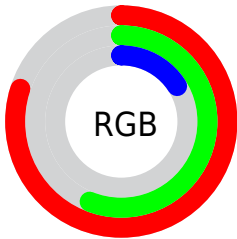
Format	Color
R _Y B	137, 204, 42
Decimal	13406250
CIE Lab	64.12, 14.04, 59.21
CIE LCh	64, 60.854, 76.659
Yxy	32.9511, 0.4710, 0.4397
Android (android.graphics.Color)	4291596330 (0xFFCC902A)
YUV	150.3120, -53.3978, 47.0844
Hunter-Lab	57.4030, 9.3030, 33.2700

Details

The Yxy color **32.9511, 0.4710, 0.4397** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **14.3640, 0.1846, 0.1596**, and the grayscale version is **30.8506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4927, 0.4358, 0.4286**, and **14.0251, 0.4964, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **30.6283, 0.4886, 0.4413**, and if you desaturate by 10%, it is **35.5049, 0.4507, 0.4331**.

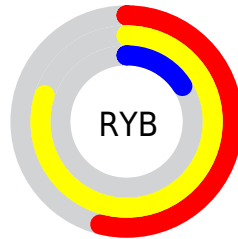
Distribution



Red (80%)

Green (56%)

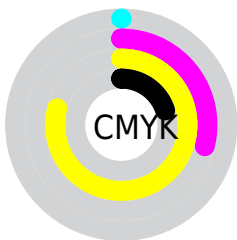
Blue (16%)



Red (54%)

Yellow (80%)

Blue (16%)

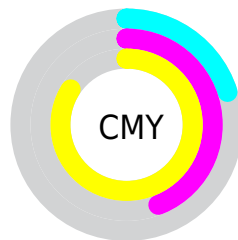


Cyan (0%)

Magenta (29%)

Yellow (79%)

Black (20%)



Cyan (20%)


Magenta (44%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9511, 0.4710, 0.4397 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 32.9511, 0.4710, 0.4397 by changing the saturation by 10% instead.


 32.9511, 0.4710,
0.4397


 32.9511, 0.4710,
0.4397


315.4293, 0.3931,
0.3907

 22.0890, 0.4876,
0.4477


 64.2992, 0.4443,
0.4246

 13.9223, 0.5063,
0.4547


 85.5539, 0.4336,
0.4180


 8.0666, 0.5345,
0.4655


 111.0417, 0.4245,
0.4121

 4.1376, 0.5457,
0.4543

 141.1468, 0.4165,
0.4069

 1.7508, 0.5640,
0.4360

 176.2538, 0.4095,
0.4021

 0.4563, 0.6299,
0.3701

 216.7469, 0.4034,

 0.0000, 0.0000,

0.3979

0.0000

263.0106, 0.3979,
0.3941

■ 32.9511, 0.4710,
0.4397

■ 32.9511, 0.4710,
0.4397

■ 30.6283, 0.4886,
0.4413

■ 35.5049, 0.4507,
0.4331

■ 28.5112, 0.5033,
0.4382

■ 38.2974, 0.4288,
0.4224

■ 28.3899, 0.5041,
0.4379

■ 41.3416, 0.4065,
0.4086

■ 44.6476, 0.3847,
0.3930

■ 48.2248, 0.3640,
0.3765

■ 52.0817, 0.3449,
0.3598

■ 56.2267, 0.3275,
0.3436

■ 60.6673, 0.3118,
0.3281

■ 65.4111, 0.2979,
0.3136

Harmonies

Analogous

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



32.9511, 0.4994, 0.3731



32.9511, 0.4710, 0.4397



32.9511, 0.4020, 0.4941

Triad

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



32.9511, 0.4710, 0.4397



32.9511, 0.1760, 0.3224



32.9511, 0.2861, 0.2096

Complementary

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



32.9511, 0.4710, 0.4397



14.3640, 0.1846, 0.1596

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.



32.9511, 0.2106, 0.1911



32.9511, 0.4710, 0.4397



32.9511, 0.1555, 0.2408

Square

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



32.9511, 0.4710, 0.4397



32.9511, 0.2320, 0.4292



32.9511, 0.1674, 0.1994



32.9511, 0.3836, 0.2510

Rectangle

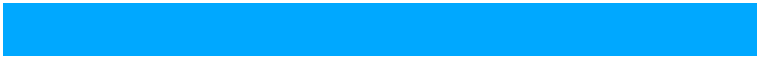
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.9511, 0.4710, 0.4397



32.9511, 0.3447, 0.5063



32.9511, 0.1674, 0.1994



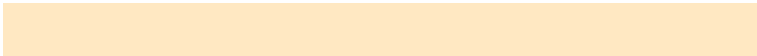
32.9511, 0.2575, 0.2007

Sweetspot

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



32.9528, 0.4710, 0.4397



83.0427, 0.3540, 0.3680



15.4991, 0.4838, 0.2655



17.2874, 0.3611, 0.3740



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.



32.9528, 0.4710, 0.4397



48.2877, 0.4987, 0.4394



53.6895, 0.3964, 0.5061



12.3708, 0.3275, 0.3436



18.0491, 0.5026, 0.4391



1.0733, 0.4822, 0.4553

Inverse Universe

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



14.3640, 0.1846, 0.1596



16.9057, 0.1685, 0.1238



7.0076, 0.1740, 0.0894



11.5135, 0.2983, 0.3140



6.1255, 0.1665, 0.1193



0.4603, 0.1776, 0.1592

Previews

White Background



This preview shows how the Yxy color 32.9511, 0.4710, 0.4397 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 32.9511, 0.4710, 0.4397 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 32.9511, 0.4710, 0.4397

Background



This preview shows how black text looks on a background with the Yxy color 32.9511, 0.4710, 0.4397.



This preview shows how white text looks on a background with the Yxy color 32.9511, 0.4710, 0.4397.

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

32.9511, 0.4710, 0.4397

Protanopia

33.0804, 0.4267, 0.4699

Deuteranopia

33.0688, 0.4595, 0.4504



Tritanopia

32.7962, 0.3866, 0.3153

Trichromacy



Original Color

32.9511, 0.4710, 0.4397

Protanomaly

33.0774, 0.4429, 0.4588

Deuteranomaly

33.1696, 0.4632, 0.4468

Tritanomaly

32.6696, 0.4249, 0.3672

Monochromacy



Original Color

32.9511, 0.4710, 0.4397

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.8736, 0.3739, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9511, 0.4710, 0.4397 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, 144, 42)` looks like.

```
.text, #text, p{  
    color:rgb(204, 144, 42)  
}
```

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, 144, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 144, 42) }
```

Border

The CSS property to change the border of an element to Yxy 32.9511, 0.4710, 0.4397 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, 144, 42) }
```

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

```
.border{ border-color:rgb(204, 144, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 144, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 144, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 144, 42);  
box-shadow:4px 4px 4px 4px rgb(204, 144,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9511, 0.4710, 0.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 144, 42) }
```

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

```
.background{ background-color: rgb(204,  
144, 42) }
```

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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