

Converting Colors

$Y_{xy}(33.0710, 0.4700, 0.4617)$

Have a look what the booklet for
Yxy(33.0710, 0.4700, 0.4617)
contains.

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Color

Yxy(33.0720, 0.4700, 0.4617)

Conversions

Conversions Part 1

Format	Color
Hex	C5940A
RGB	197, 148, 10
RGB Percent	77%, 58%, 4%
CMY	0.2275, 0.4196, 0.9613
CMYK	0.00, 0.25, 0.95, 0.23
HSL	44°, 90%, 41%
HSV	44°, 95%, 77%
XYZ	33.6665, 33.0720, 4.8924
YIQ	146.9190, 73.5020, -32.5300

Conversions

Conversions Part 2

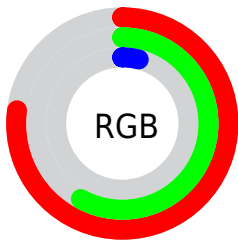
Format	Color
RYB	76, 197, 10
Decimal	12948490
CIELab	64.22, 8.00, 67.21
CIELCh	64, 67.681, 83.212
Yxy	33.0720, 0.4700, 0.4617
Android (android.graphics.Color)	4291138570 (0xFFC5940A)
YUV	146.9190, -67.5011, 43.9210
Hunter-Lab	57.5083, 3.8582, 35.2118

Details

The Yxy color **33.0720, 0.4700, 0.4617** 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 **7.2060, 0.1620, 0.0993**, and the grayscale version is **29.3990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0369, 0.4431, 0.4454**, and **14.1386, 0.4800, 0.4571** is the 20% darker color. If you saturate the color by 10%, you get **32.2500, 0.4749, 0.4611**, and if you desaturate by 10%, it is **34.7973, 0.4589, 0.4606**.

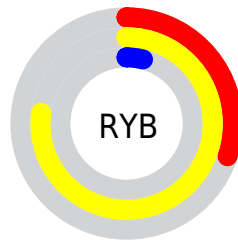
Distribution



Red (77%)

Green (58%)

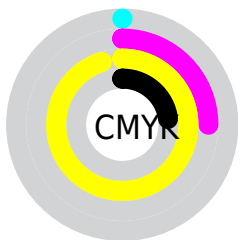
Blue (4%)



Red (30%)

Yellow (77%)

Blue (4%)

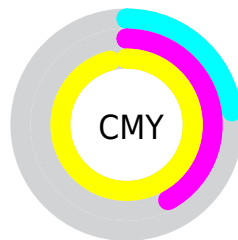


Cyan (0%)

Magenta (25%)

Yellow (95%)

Black (23%)



Cyan (23%)


Magenta (42%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0720, 0.4700, 0.4617 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 33.0720, 0.4700, 0.4617 by changing the saturation by 10% instead.


 33.0720, 0.4700,
0.4617


 33.0720, 0.4700,
0.4617


315.9740, 0.3958,
0.4031


 22.1816, 0.4840,
0.4709


 64.4879, 0.4458,
0.4439


 13.9904, 0.4990,
0.4793


 85.7822, 0.4357,
0.4361

 8.1140, 0.5145,
0.4855


 111.3133, 0.4269,
0.4290

 4.1680, 0.5211,
0.4789

 141.4656, 0.4191,
0.4226

 1.7680, 0.5320,
0.4680

 176.6234, 0.4122,
0.4169

 0.4671, 0.5778,
0.4222

 217.1711, 0.4061,

 0.0000, 0.0000,

0.4118

0.0000

263.4932, 0.4007,
0.4072

33.0720, 0.4700,
0.4617

33.0720, 0.4700,
0.4617

32.2500, 0.4749,
0.4611

34.7973, 0.4589,
0.4606

36.6564, 0.4447,
0.4546

38.6622, 0.4282,
0.4441

40.8238, 0.4100,
0.4299

43.1494, 0.3910,
0.4131

■ 45.6463, 0.3720,
0.3946

■ 48.3212, 0.3537,
0.3755

■ 51.1803, 0.3363,
0.3564

■ 54.2293, 0.3202,
0.3379

Harmonies

Analogous

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



33.0720, 0.5157, 0.3891



33.0720, 0.4700, 0.4617



33.0720, 0.3874, 0.5186

Triad

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



33.0720, 0.4700, 0.4617



33.0720, 0.1555, 0.2965



33.0720, 0.3049, 0.2072

Complementary

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



33.0720, 0.4700, 0.4617



7.2060, 0.1620, 0.0993

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.



33.0720, 0.2158, 0.1816



33.0720, 0.4700, 0.4617



33.0720, 0.1425, 0.2179

Square

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



33.0720, 0.4700, 0.4617



33.0720, 0.2064, 0.4153



33.0720, 0.1623, 0.1832



33.0720, 0.4143, 0.2559

Rectangle

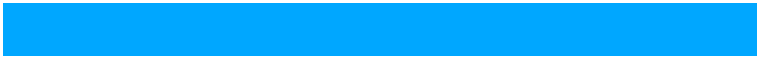
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.0720, 0.4700, 0.4617



33.0720, 0.3236, 0.5243



33.0720, 0.1623, 0.1832



33.0720, 0.2715, 0.1959

Sweetspot

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



33.0736, 0.4700, 0.4617



84.8757, 0.3599, 0.3821



12.4060, 0.5738, 0.2974



17.7195, 0.3680, 0.3905



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.



33.0736, 0.4700, 0.4617



57.3392, 0.4759, 0.4603



46.7495, 0.3795, 0.5342



11.9290, 0.3271, 0.3460



21.3585, 0.4740, 0.4618



1.1244, 0.4602, 0.4728

Inverse Universe

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



7.2060, 0.1620, 0.0993



11.2030, 0.1579, 0.0882



5.0162, 0.1672, 0.0718



10.7314, 0.2983, 0.3114



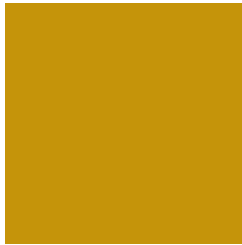
4.3584, 0.1591, 0.0927



0.3284, 0.1709, 0.1351

Previews

White Background



This preview shows how the Yxy color 33.0720, 0.4700, 0.4617 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 33.0720, 0.4700, 0.4617 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 33.0720, 0.4700, 0.4617

Background



This preview shows how black text looks on a background with the Yxy color 33.0720, 0.4700, 0.4617.



This preview shows how white text looks on a background with the Yxy color 33.0720, 0.4700, 0.4617.

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

33.0720, 0.4700, 0.4617

Protanopia

33.0387, 0.4385, 0.4849

Deuteranopia

33.0720, 0.4700, 0.4617



Tritanopia

33.1524, 0.3752, 0.3162

Trichromacy



Original Color

33.0720, 0.4700, 0.4617

Protanomaly

33.0019, 0.4504, 0.4760

Deuteranomaly

33.0720, 0.4700, 0.4617

Tritanomaly

32.6454, 0.4253, 0.3860

Monochromacy



Original Color

33.0720, 0.4700, 0.4617

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.7298, 0.3829, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0720, 0.4700, 0.4617 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(197, 148, 10)` looks like.

```
.text, #text, p{  
    color:rgb(197, 148, 10)  
}
```

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(197, 148, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 148, 10) }
```

Border

The CSS property to change the border of an element to Yxy 33.0720, 0.4700, 0.4617 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(197, 148, 10) }
```

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

```
.border{ border-color:rgb(197, 148, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 148, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 148, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 148, 10);  
box-shadow:4px 4px 4px 4px rgb(197, 148,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0720, 0.4700, 0.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 148, 10) }
```

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

```
.background{ background-color: rgb(197,  
148, 10) }
```

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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