

Converting Colors

$Y_{xy}(37.1689, 0.4568, 0.4728)$

Have a look what the booklet for
Yxy(37.1689, 0.4568, 0.4728)
contains.

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Color

Yxy(37.1671, 0.4568, 0.4728)

Conversions

Conversions Part 1

Format	Color
Hex	C6A009
RGB	198, 160, 9
RGB Percent	78%, 63%, 4%
CMY	0.2235, 0.3725, 0.9654
CMYK	0.00, 0.19, 0.96, 0.22
HSL	48°, 91%, 41%
HSV	48°, 96%, 78%
XYZ	35.9093, 37.1671, 5.5342
YIQ	154.1480, 71.1190, -38.9050

Conversions

Conversions Part 2

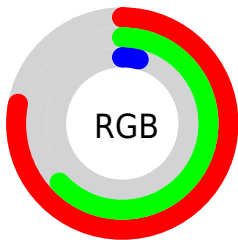
Format	Color
RYB	57, 198, 9
Decimal	13017097
CIELab	67.40, 1.97, 69.71
CIElCh	67, 69.740, 88.384
Yxy	37.1671, 0.4568, 0.4728
Android (android.graphics.Color)	4291207177 (0xFFC6A009)
YUV	154.1480, -71.5580, 38.4582
Hunter-Lab	60.9648, -1.5489, 37.2932

Details

The Yxy color **37.1671, 0.4568, 0.4728** 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 **6.1532, 0.1583, 0.0861**, and the grayscale version is **32.6729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9176, 0.4331, 0.4540**, and **16.4262, 0.4623, 0.4712** is the 20% darker color. If you saturate the color by 10%, you get **36.5397, 0.4601, 0.4729**, and if you desaturate by 10%, it is **38.6377, 0.4481, 0.4708**.

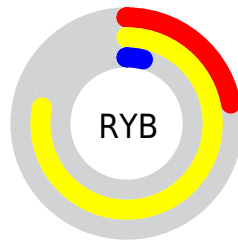
Distribution



Red (78%)

Green (63%)

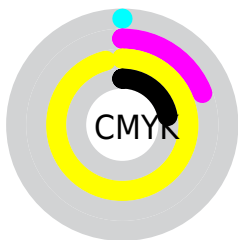
Blue (4%)



Red (22%)

Yellow (78%)

Blue (4%)

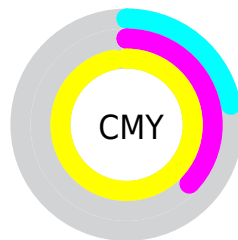


Cyan (0%)

Magenta (19%)

Yellow (96%)

Black (22%)



Cyan (22%)


Magenta (37%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1671, 0.4568, 0.4728 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 37.1671, 0.4568, 0.4728 by changing the saturation by 10% instead.


 37.1671, 0.4568,
0.4728


 37.1671, 0.4568,
0.4728


334.0334, 0.3912,
0.4083

 25.3369, 0.4685,
0.4838


 70.8297, 0.4360,
0.4527


 16.3282, 0.4801,
0.4944


 93.4309, 0.4272,
0.4440


 9.7567, 0.4937,
0.5063


 120.3912, 0.4193,
0.4363

 5.2380, 0.4951,
0.5049

 152.0951, 0.4123,
0.4294

 2.3875, 0.4975,
0.5025

 188.9268, 0.4061,
0.4232

 0.8195, 0.5023,
0.4977

 231.2708, 0.4006,

 0.0000, 0.0000,

0.4177

0.0000

279.5116, 0.3956,
0.4128

37.1671, 0.4568,
0.4728

37.1671, 0.4568,
0.4728

36.5397, 0.4601,
0.4729

38.6377, 0.4481,
0.4708

40.2135, 0.4365,
0.4641

41.9074, 0.4224,
0.4529

43.7283, 0.4063,
0.4380

45.6840, 0.3890,
0.4203

■ 47.7815, 0.3713,
0.4007

■ 50.0271, 0.3538,
0.3803

■ 52.4266, 0.3369,
0.3598

■ 54.9855, 0.3210,
0.3397

Harmonies

Analogous

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



37.1671, 0.5102, 0.4014



37.1671, 0.4568, 0.4728



37.1671, 0.3711, 0.5219

Triad

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



37.1671, 0.4568, 0.4728



37.1671, 0.1518, 0.2800



37.1671, 0.3232, 0.2150

Complementary

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



37.1671, 0.4568, 0.4728



6.1532, 0.1583, 0.0861

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.



37.1671, 0.2293, 0.1852



37.1671, 0.4568, 0.4728



37.1671, 0.1447, 0.2100

Square

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



37.1671, 0.4568, 0.4728



37.1671, 0.1958, 0.3933



37.1671, 0.1700, 0.1818



37.1671, 0.4312, 0.2665

Rectangle

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



37.1671, 0.4568, 0.4728



37.1671, 0.3073, 0.5173



37.1671, 0.1700, 0.1818



37.1671, 0.2887, 0.2023

Sweetspot

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



37.1689, 0.4568, 0.4728



87.0041, 0.3605, 0.3883



12.4267, 0.5913, 0.3067



18.2566, 0.3682, 0.3971



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.



37.1689, 0.4568, 0.4728



64.3401, 0.4608, 0.4723



46.3760, 0.3712, 0.5410



12.0411, 0.3270, 0.3473



23.8843, 0.4595, 0.4734



1.2255, 0.4496, 0.4812

Inverse Universe

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



6.1532, 0.1583, 0.0861



9.6071, 0.1548, 0.0773



5.3068, 0.1723, 0.0743



10.6268, 0.2983, 0.3100



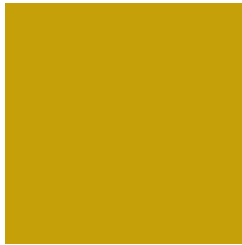
3.7272, 0.1559, 0.0811



0.2812, 0.1666, 0.1196

Previews

White Background



This preview shows how the Yxy color 37.1671, 0.4568, 0.4728 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 37.1671, 0.4568, 0.4728 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 37.1671, 0.4568, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 37.1671, 0.4568, 0.4728.



This preview shows how white text looks on a background with the Yxy color 37.1671, 0.4568, 0.4728.

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

37.1671, 0.4568, 0.4728

Protanopia

37.2511, 0.4380, 0.4866

Deuteranopia

37.2242, 0.4697, 0.4602



Tritanopia

37.1548, 0.3609, 0.3152

Trichromacy



Original Color

37.1671, 0.4568, 0.4728

Protanomaly

37.1657, 0.4453, 0.4812

Deuteranomaly

36.9804, 0.4653, 0.4647

Tritanomaly

36.4989, 0.4128, 0.3906

Monochromacy



Original Color

37.1671, 0.4568, 0.4728

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.2626, 0.3796, 0.4097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1671, 0.4568, 0.4728 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(198, 160, 9)` looks like.

```
.text, #text, p{  
    color:rgb(198, 160, 9)  
}
```

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(198, 160, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 160, 9) }
```

Border

The CSS property to change the border of an element to Yxy 37.1671, 0.4568, 0.4728 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(198, 160, 9) }
```

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

```
.border{ border-color:rgb(198, 160, 9) }
```

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

Here you see how a box with a 4 pixel rgb(198, 160, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 160, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 160, 9);  
box-shadow:4px 4px 4px 4px rgb(198, 160,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1671, 0.4568, 0.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 160, 9) }
```

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

```
.background{ background-color: rgb(198,  
160, 9) }
```

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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