

Converting Colors

$Y_{xy}(37.0723, 0.4640, 0.4668)$

Have a look what the booklet for
Yxy(37.0723, 0.4640, 0.4668)
contains.

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Color

Yxy(37.1721, 0.4637, 0.4670)

Conversions

Conversions Part 1

Format	Color
Hex	CB9E0A
RGB	203, 158, 10
RGB Percent	80%, 62%, 4%
CMY	0.2039, 0.3804, 0.9608
CMYK	0.00, 0.22, 0.95, 0.20
HSL	46°, 91%, 42%
HSV	46°, 95%, 80%
XYZ	36.9094, 37.1721, 5.5161
YIQ	154.5830, 74.3280, -36.4880

Conversions

Conversions Part 2

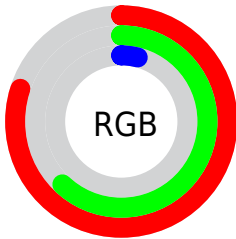
Format	Color
RYB	69, 203, 10
Decimal	13344266
CIELab	67.41, 5.28, 69.80
CIElCh	67, 69.999, 85.677
Yxy	37.1721, 0.4637, 0.4670
Android (android.graphics.Color)	4291534346 (0xFFCB9E0A)
YUV	154.5830, -71.2794, 42.4617
Hunter-Lab	60.9689, 1.3649, 37.3140

Details

The Yxy color **37.1721, 0.4637, 0.4670** 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 **7.1066, 0.1602, 0.0928**, and the grayscale version is **32.8812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9115, 0.4346, 0.4524**, and **16.4447, 0.4722, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **36.3649, 0.4679, 0.4667**, and if you desaturate by 10%, it is **38.8929, 0.4537, 0.4654**.

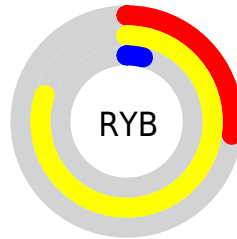
Distribution



Red (80%)

Green (62%)

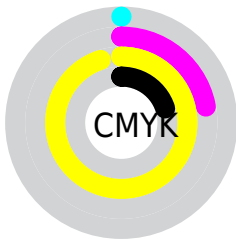
Blue (4%)



Red (27%)

Yellow (80%)

Blue (4%)

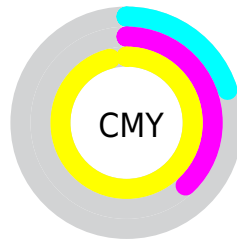


Cyan (0%)

Magenta (22%)

Yellow (95%)

Black (20%)



Cyan (20%)


Magenta (38%)


Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1721, 0.4637, 0.4670 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 37.1721, 0.4637, 0.4670 by changing the saturation by 10% instead.


 37.1721, 0.4637,
0.4670


 37.1721, 0.4637,
0.4670

334.0550, 0.3944,
0.4063


 25.3408, 0.4763,
0.4769


 70.8374, 0.4415,
0.4484


 16.3311, 0.4892,
0.4860


 93.4402, 0.4322,
0.4403


 9.7588, 0.5043,
0.4957


 120.4022, 0.4239,
0.4330

 5.2393, 0.5082,
0.4918

 152.1078, 0.4166,
0.4265

 2.3883, 0.5143,
0.4857

 188.9416, 0.4101,
0.4206

 0.8199, 0.5260,
0.4740

 231.2877, 0.4043,

 0.0000, 0.0000,

0.4153

0.0000

279.5308, 0.3991,
0.4106

37.1721, 0.4637,
0.4670

37.1721, 0.4637,
0.4670

36.3649, 0.4679,
0.4667

38.8929, 0.4537,
0.4654

40.7415, 0.4408,
0.4591

42.7316, 0.4254,
0.4482

44.8728, 0.4081,
0.4336

47.1737, 0.3899,
0.4163

■ 49.6417, 0.3715,
0.3973

■ 52.2840, 0.3535,
0.3775

■ 55.1068, 0.3364,
0.3577

■ 58.1161, 0.3204,
0.3384

Harmonies

Analogous

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



37.1721, 0.5131, 0.3949



37.1721, 0.4637, 0.4670



37.1721, 0.3796, 0.5202

Triad

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



37.1721, 0.4637, 0.4670



37.1721, 0.1537, 0.2885



37.1721, 0.3136, 0.2109

Complementary

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



37.1721, 0.4637, 0.4670



7.1066, 0.1602, 0.0928

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.



37.1721, 0.2222, 0.1833



37.1721, 0.4637, 0.4670



37.1721, 0.1435, 0.2141

Square

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



37.1721, 0.4637, 0.4670



37.1721, 0.2013, 0.4047



37.1721, 0.1660, 0.1826



37.1721, 0.4224, 0.2610

Rectangle

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



37.1721, 0.4637, 0.4670



37.1721, 0.3158, 0.5211



37.1721, 0.1660, 0.1826



37.1721, 0.2797, 0.1990

Sweetspot

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



37.1739, 0.4637, 0.4670



85.6091, 0.3612, 0.3861



13.1889, 0.5853, 0.3036



17.9186, 0.3690, 0.3946



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.



37.1739, 0.4637, 0.4670



60.5417, 0.4687, 0.4661



49.3617, 0.3740, 0.5386



12.6361, 0.3271, 0.3467



23.2882, 0.4671, 0.4673



1.3120, 0.4559, 0.4762

Inverse Universe

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



7.1066, 0.1602, 0.0928



10.3933, 0.1563, 0.0827



5.5353, 0.1706, 0.0735



11.2614, 0.2983, 0.3107



4.1712, 0.1574, 0.0867



0.3351, 0.1681, 0.1250

Previews

White Background



This preview shows how the Yxy color 37.1721, 0.4637, 0.4670 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 37.1721, 0.4637, 0.4670 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 37.1721, 0.4637, 0.4670

Background



This preview shows how black text looks on a background with the Yxy color 37.1721, 0.4637, 0.4670.



This preview shows how white text looks on a background with the Yxy color 37.1721, 0.4637, 0.4670.

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

37.1721, 0.4637, 0.4670

Protanopia

37.2563, 0.4377, 0.4861

Deuteranopia

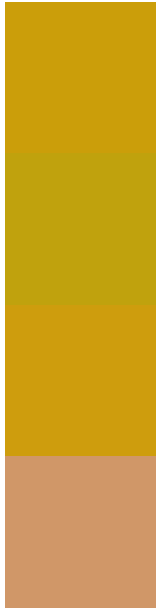
37.2185, 0.4701, 0.4606



Tritanopia

37.1849, 0.3687, 0.3154

Trichromacy



Original Color

37.1721, 0.4637, 0.4670

Protanomaly

37.0762, 0.4481, 0.4783

Deuteranomaly

37.2648, 0.4672, 0.4633

Tritanomaly

36.5426, 0.4202, 0.3880

Monochromacy



Original Color

37.1721, 0.4637, 0.4670

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.5069, 0.3808, 0.4077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1721, 0.4637, 0.4670 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(203, 158, 10)` looks like.

```
.text, #text, p{  
    color:rgb(203, 158, 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(203, 158, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 158, 10) }
```

Border

The CSS property to change the border of an element to Yxy 37.1721, 0.4637, 0.4670 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(203, 158, 10) }
```

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

```
.border{ border-color:rgb(203, 158, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 158, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 158, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 158, 10);  
box-shadow:4px 4px 4px 4px rgb(203, 158,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1721, 0.4637, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 158, 10) }
```

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

```
.background{ background-color: rgb(203,  
158, 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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