

Converting Colors

$Y_{xy}(37.2241, 0.4324, 0.4496)$

Have a look what the booklet for
Yxy(37.2241, 0.4324, 0.4496)
contains.

Yxy(37.2960, 0.4325, 0.4501)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2960, 0.4325, 0.4501)

Conversions

Conversions Part 1

Format	Color
Hex	C2A13D
RGB	194, 161, 61
RGB Percent	76%, 63%, 24%
CMY	0.2392, 0.3686, 0.7607
CMYK	0.00, 0.17, 0.69, 0.24
HSL	45°, 52%, 50%
HSV	45°, 69%, 76%
XYZ	35.8376, 37.2960, 9.7280
YIQ	159.4670, 51.7680, -24.1040

Conversions

Conversions Part 2

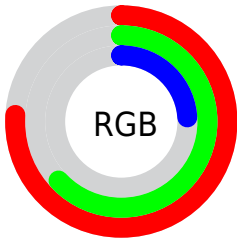
Format	Color
RYB	105, 194, 61
Decimal	12755261
CIELab	67.50, 1.31, 54.55
CIELCh	67, 54.569, 88.623
Yxy	37.2960, 0.4325, 0.4501
Android (android.graphics.Color)	4290945341 (0xFFC2A13D)
YUV	159.4670, -48.5442, 30.2854
Hunter-Lab	61.0705, -2.1251, 33.3050

Details

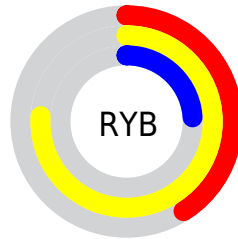
The Yxy color **37.2960, 0.4325, 0.4501** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **12.8996, 0.1928, 0.1587**, and the grayscale version is **35.1077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1866, 0.4124, 0.4314**, and **16.4702, 0.4579, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **35.4742, 0.4477, 0.4593**, and if you desaturate by 10%, it is **39.2618, 0.4153, 0.4369**.

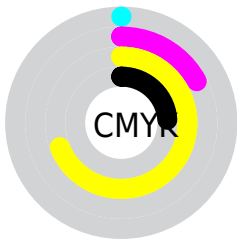
Distribution



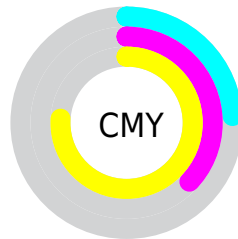
- Red (76%)
- Green (63%)
- Blue (24%)



- Red (41%)
- Yellow (76%)
- Blue (24%)



- Cyan (0%)
- Magenta (17%)
- Yellow (69%)
- Black (24%)




- Cyan (24%)
- Magenta (37%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2960, 0.4325, 0.4501 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 37.2960, 0.4325, 0.4501 by changing the saturation by 10% instead.


 37.2960, 0.4325,
0.4501


 37.2960, 0.4325,
0.4501


334.5903, 0.3746,
0.3921

 25.4368, 0.4448,
0.4622


 71.0278, 0.4127,
0.4304

 16.4028, 0.4588,
0.4758


 93.6691, 0.4049,
0.4225

 9.8096, 0.4742,
0.4905


 120.6733, 0.3980,
0.4157

 5.2729, 0.4925,
0.5075

 152.4247, 0.3921,
0.4097

 2.4083, 0.4941,
0.5059

 189.3077, 0.3869,
0.4045

 0.8301, 0.4972,
0.5028

231.7067, 0.3823,

 0.0000, 0.0000,

0.3999

0.0000

280.0061, 0.3782,
0.3957

■ 37.2960, 0.4325,
0.4501

■ 37.2960, 0.4325,
0.4501

■ 35.4742, 0.4477,
0.4593

■ 39.2618, 0.4153,
0.4369

■ 33.7818, 0.4603,
0.4638

■ 41.3743, 0.3969,
0.4207

■ 32.2058, 0.4701,
0.4640

■ 43.6424, 0.3782,
0.4025

■ 31.9833, 0.4715,
0.4639

■ 46.0726, 0.3598,
0.3832

■ 48.6710, 0.3422,
0.3638

■ 51.4431, 0.3258,
0.3447

■ 54.3943, 0.3106,
0.3264

■ 57.5294, 0.2968,
0.3092

■ 60.8533, 0.2843,
0.2932

Harmonies

Analogous

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



37.2960, 0.4717, 0.3951



37.2960, 0.4325, 0.4501



37.2960, 0.3642, 0.4804

Triad

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



37.2960, 0.4325, 0.4501



37.2960, 0.1813, 0.2928



37.2960, 0.3231, 0.2359

Complementary

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



37.2960, 0.4325, 0.4501



12.8996, 0.1928, 0.1587

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.



37.2960, 0.2469, 0.2105



37.2960, 0.4325, 0.4501



37.2960, 0.1740, 0.2343

Square

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



37.2960, 0.4325, 0.4501



37.2960, 0.2199, 0.3788



37.2960, 0.1961, 0.2085



37.2960, 0.4065, 0.2801

Rectangle

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



37.2960, 0.4325, 0.4501



37.2960, 0.3121, 0.4717



37.2960, 0.1961, 0.2085



37.2960, 0.2956, 0.2251

Sweetspot

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



37.2978, 0.4325, 0.4501



86.8270, 0.3470, 0.3692



15.6237, 0.4817, 0.2900



18.7223, 0.3520, 0.3746



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.



37.2978, 0.4325, 0.4501



62.7774, 0.4541, 0.4621



46.4773, 0.3748, 0.5007



11.3212, 0.3271, 0.3462



21.1608, 0.4706, 0.4645



1.0177, 0.4569, 0.4754

Inverse Universe

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



12.8996, 0.1928, 0.1587



16.1415, 0.1723, 0.1209



9.6296, 0.2065, 0.1239



10.1451, 0.2983, 0.3112



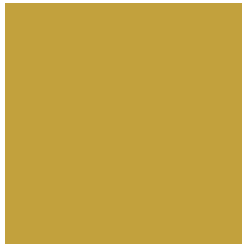
4.0701, 0.1584, 0.0901



0.2893, 0.1709, 0.1351

Previews

White Background



This preview shows how the Yxy color 37.2960, 0.4325, 0.4501 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 37.2960, 0.4325, 0.4501 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 37.2960, 0.4325, 0.4501

Background



This preview shows how black text looks on a background with the Yxy color 37.2960, 0.4325, 0.4501.



This preview shows how white text looks on a background with the Yxy color 37.2960, 0.4325, 0.4501.

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

37.2960, 0.4325, 0.4501

Protanopia

37.4484, 0.4182, 0.4593

Deuteranopia

37.1039, 0.4476, 0.4378



Tritanopia

37.2984, 0.3542, 0.3150

Trichromacy



Original Color

37.2960, 0.4325, 0.4501

Protanomaly

37.5901, 0.4231, 0.4559

Deuteranomaly

37.2190, 0.4417, 0.4421

Tritanomaly

37.0655, 0.3877, 0.3687

Monochromacy



Original Color

37.2960, 0.4325, 0.4501

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3423, 0.3592, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2960, 0.4325, 0.4501 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(194, 161, 61)` looks like.

```
.text, #text, p{  
    color:rgb(194, 161, 61)  
}
```

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(194, 161, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 161, 61) }
```

Border

The CSS property to change the border of an element to Yxy 37.2960, 0.4325, 0.4501 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(194, 161, 61) }
```

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

```
.border{ border-color:rgb(194, 161, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 161, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 161, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 161, 61);  
box-shadow:4px 4px 4px 4px rgb(194, 161,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2960, 0.4325, 0.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 161, 61) }
```

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

```
.background{ background-color: rgb(194,  
161, 61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor