

Converting Colors

$Yxy(37.9637, 0.4414, 0.4652)$

Have a look what the booklet for
Yxy(37.9637, 0.4414, 0.4652)
contains.

Yxy(37.9637, 0.4414, 0.4652)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9637, 0.4414, 0.4652)

Conversions

Conversions Part 1

Format	Color
Hex	C3A32A
RGB	195, 163, 42
RGB Percent	76%, 64%, 16%
CMY	0.2353, 0.3608, 0.8352
CMYK	0.00, 0.16, 0.78, 0.24
HSL	47°, 65%, 46%
HSV	47°, 78%, 76%
XYZ	36.0214, 37.9637, 7.6221
YIQ	158.7740, 57.9130, -30.8470

Conversions

Conversions Part 2

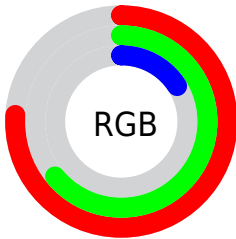
Format	Color
R_{YB}	82, 195, 42
Decimal	12821290
CIE Lab	67.99, -0.21, 62.39
CIE LCh	68, 62.391, 90.190
Yxy	37.9637, 0.4414, 0.4652
Android (android.graphics.Color)	4291011370 (0xFFC3A32A)
YUV	158.7740, -57.5696, 31.7702
Hunter-Lab	61.6147, -3.4703, 35.7957

Details

The Yxy color **37.9637, 0.4414, 0.4652** 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 **9.3342, 0.1760, 0.1239**, and the grayscale version is **34.8130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2846, 0.4211, 0.4443**, and **16.9067, 0.4547, 0.4772** is the 20% darker color. If you saturate the color by 10%, you get **36.4329, 0.4525, 0.4704**, and if you desaturate by 10%, it is **39.6128, 0.4276, 0.4554**.

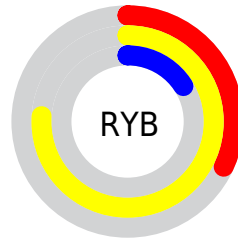
Distribution



Red (76%)

Green (64%)

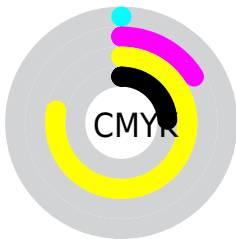
Blue (16%)



Red (32%)

Yellow (76%)

Blue (16%)

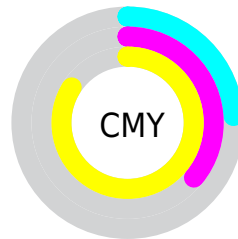


Cyan (0%)

Magenta (16%)

Yellow (78%)

Black (24%)



Cyan (24%)


Magenta (36%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9637, 0.4414, 0.4652 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 37.9637, 0.4414, 0.4652 by changing the saturation by 10% instead.


 37.9637, 0.4414,
0.4652

 37.9637, 0.4414,
0.4652


 337.4642, 0.3813,
0.4015


 25.9545, 0.4530,
0.4776

 72.0525, 0.4217,
0.4442


 16.7896, 0.4654,
0.4908


 94.9009, 0.4135,
0.4356

 10.0846, 0.4813,
0.5077


 122.1312, 0.4064,
0.4281

 5.4551, 0.4865,
0.5135

 154.1277, 0.4001,
0.4214

 2.5167, 0.4862,
0.5138

 191.2749, 0.3946,
0.4155

 0.8850, 0.4858,
0.5142

 233.9571, 0.3896,

 0.0000, 0.0000,

0.4103

0.0000

282.5587, 0.3852,
0.4057

■ 37.9637, 0.4414,
0.4652

■ 37.9637, 0.4414,
0.4652

■ 36.4329, 0.4525,
0.4704

■ 39.6128, 0.4276,
0.4554

■ 35.0006, 0.4608,
0.4713

■ 41.3838, 0.4117,
0.4416

■ 34.7838, 0.4620,
0.4713

■ 43.2864, 0.3945,
0.4247

■ 45.3274, 0.3767,
0.4057

■ 47.5134, 0.3589,
0.3856

■ 49.8499, 0.3418,
0.3653

■ 52.3425, 0.3255,
0.3453

■ 54.9961, 0.3105,
0.3261

■ 57.8156, 0.2966,
0.3080

Harmonies

Analogous

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



37.9637, 0.4897, 0.4026



37.9637, 0.4414, 0.4652



37.9637, 0.3633, 0.5017

Triad

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



37.9637, 0.4414, 0.4652



37.9637, 0.1652, 0.2819



37.9637, 0.3287, 0.2276

Complementary

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



37.9637, 0.4414, 0.4652



9.3342, 0.1760, 0.1239

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.



37.9637, 0.2423, 0.1986



37.9637, 0.4414, 0.4652



37.9637, 0.1597, 0.2198

Square

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



37.9637, 0.4414, 0.4652



37.9637, 0.2047, 0.3799



37.9637, 0.1852, 0.1945



37.9637, 0.4236, 0.2766

Rectangle

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



37.9637, 0.4414, 0.4652



37.9637, 0.3052, 0.4916



37.9637, 0.1852, 0.1945



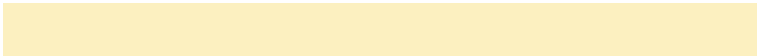
37.9637, 0.2974, 0.2155

Sweetspot

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



37.9655, 0.4414, 0.4652



86.7682, 0.3518, 0.3773



13.7707, 0.5301, 0.2966



18.6744, 0.3581, 0.3847



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.



37.9655, 0.4414, 0.4652



63.4385, 0.4585, 0.4713



45.8405, 0.3731, 0.5211



11.3890, 0.3270, 0.3471



22.7317, 0.4613, 0.4719



1.0742, 0.4503, 0.4807

Inverse Universe

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



9.3342, 0.1760, 0.1239



10.9154, 0.1588, 0.0879



7.5470, 0.1945, 0.1015



10.0818, 0.2983, 0.3102



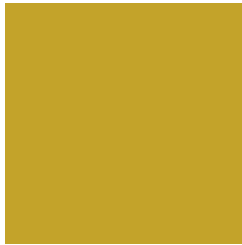
3.6823, 0.1563, 0.0827



0.2612, 0.1680, 0.1247

Previews

White Background



This preview shows how the Yxy color 37.9637, 0.4414, 0.4652 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 37.9637, 0.4414, 0.4652 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 37.9637, 0.4414, 0.4652

Background



This preview shows how black text looks on a background with the Yxy color 37.9637, 0.4414, 0.4652.

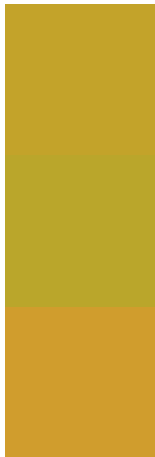


This preview shows how white text looks on a background with the Yxy color 37.9637, 0.4414, 0.4652.

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

37.9637, 0.4414, 0.4652

Protanopia

37.8860, 0.4290, 0.4736

Deuteranopia

37.7133, 0.4589, 0.4490



Tritanopia

37.8333, 0.3530, 0.3138

Trichromacy



Original Color

37.9637, 0.4414, 0.4652

Protanomaly

37.9035, 0.4330, 0.4706

Deuteranomaly

37.6746, 0.4525, 0.4548

Tritanomaly

37.4124, 0.3932, 0.3762

Monochromacy



Original Color

37.9637, 0.4414, 0.4652

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.1732, 0.3658, 0.3930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9637, 0.4414, 0.4652 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(195, 163, 42)` looks like.

```
.text, #text, p{  
    color:rgb(195, 163, 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(195, 163, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 163, 42) }
```

Border

The CSS property to change the border of an element to Yxy 37.9637, 0.4414, 0.4652 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(195, 163, 42) }
```

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

```
.border{ border-color:rgb(195, 163, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 163, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 163, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 163, 42);  
box-shadow:4px 4px 4px 4px rgb(195, 163,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9637, 0.4414, 0.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 163, 42) }
```

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

```
.background{ background-color: rgb(195,  
163, 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](#).

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