

Converting Colors

$Y_{xy}(37.7825, 0.4406, 0.4508)$

Have a look what the booklet for
Yxy(37.7825, 0.4406, 0.4508)
contains.

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Color

Yxy(37.9174, 0.4404, 0.4512)

Conversions

Conversions Part 1

Format	Color
Hex	C7A138
RGB	199, 161, 56
RGB Percent	78%, 63%, 22%
CMY	0.2197, 0.3686, 0.7804
CMYK	0.00, 0.19, 0.72, 0.22
HSL	44°, 56%, 50%
HSV	44°, 72%, 78%
XYZ	37.0098, 37.9174, 9.1096
YIQ	160.3920, 56.3530, -24.5990

Conversions

Conversions Part 2

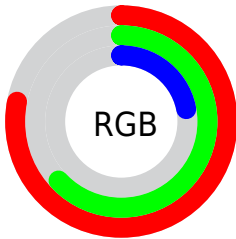
Format	Color
RYB	108, 199, 56
Decimal	13082936
CIELab	67.96, 3.22, 57.28
CIElCh	68, 57.375, 86.783
Yxy	37.9174, 0.4404, 0.4512
Android (android.graphics.Color)	4291273016 (0xFFC7A138)
YUV	160.3920, -51.4653, 33.8592
Hunter-Lab	61.5771, -0.4757, 34.3327

Details

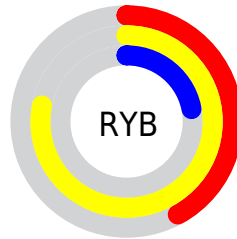
The Yxy color **37.9174, 0.4404, 0.4512** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **12.9662, 0.1884, 0.1533**, and the grayscale version is **35.5681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4759, 0.4163, 0.4340**, and **16.8146, 0.4633, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **35.9531, 0.4555, 0.4586**, and if you desaturate by 10%, it is **40.0409, 0.4231, 0.4395**.

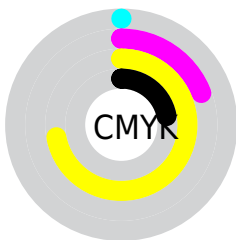
Distribution



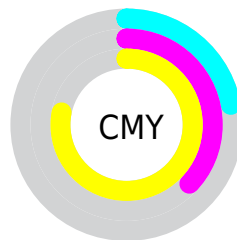
- Red (78%)
- Green (63%)
- Blue (22%)



- Red (42%)
- Yellow (78%)
- Blue (22%)



- Cyan (0%)
- Magenta (19%)
- Yellow (72%)
- Black (22%)





- Cyan (22%)
- Magenta (37%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9174, 0.4404, 0.4512 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 37.9174, 0.4404, 0.4512 by changing the saturation by 10% instead.


 37.9174, 0.4404,
0.4512


 37.9174, 0.4404,
0.4512


 337.2655, 0.3791,
0.3938


 25.9186, 0.4532,
0.4626


 71.9815, 0.4197,
0.4321


 16.7627, 0.4675,
0.4751


 94.8156, 0.4113,
0.4244


 10.0655, 0.4838,
0.4885


 122.0303, 0.4041,
0.4176

 5.4424, 0.4999,
0.5001

 154.0098, 0.3978,
0.4116

 2.5091, 0.5036,
0.4964

 191.1388, 0.3923,
0.4064

 0.8812, 0.5103,
0.4897

 233.8014, 0.3874,

 0.0000, 0.0000,

0.4017

0.0000

282.3822, 0.3830,
0.3975

■ 37.9174, 0.4404,
0.4512

■ 37.9174, 0.4404,
0.4512

■ 35.9531, 0.4555,
0.4586

■ 40.0409, 0.4231,
0.4395

■ 34.1316, 0.4678,
0.4611

■ 42.3271, 0.4044,
0.4245

■ 32.7397, 0.4759,
0.4603

■ 44.7860, 0.3852,
0.4071

■ 47.4248, 0.3663,
0.3884

■ 50.2503, 0.3482,
0.3693

■ 53.2687, 0.3312,
0.3505

■ 56.4859, 0.3155,
0.3323

■ 59.9075, 0.3012,
0.3151

■ 63.5387, 0.2883,
0.2990

Harmonies

Analogous

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



37.9174, 0.4794, 0.3929



37.9174, 0.4404, 0.4512



37.9174, 0.3703, 0.4867

Triad

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



37.9174, 0.4404, 0.4512



37.9174, 0.1777, 0.2955



37.9174, 0.3179, 0.2302

Complementary

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



37.9174, 0.4404, 0.4512



12.9662, 0.1884, 0.1533

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.



37.9174, 0.2400, 0.2053



37.9174, 0.4404, 0.4512



37.9174, 0.1685, 0.2329

Square

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



37.9174, 0.4404, 0.4512



37.9174, 0.2193, 0.3869



37.9174, 0.1894, 0.2047



37.9174, 0.4058, 0.2747

Rectangle

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



37.9174, 0.4404, 0.4512



37.9174, 0.3164, 0.4811



37.9174, 0.1894, 0.2047



37.9174, 0.2895, 0.2194

Sweetspot

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



37.9192, 0.4404, 0.4512



87.7573, 0.3490, 0.3702



15.7798, 0.4906, 0.2868



18.4861, 0.3539, 0.3755



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.



37.9192, 0.4404, 0.4512



61.2047, 0.4625, 0.4606



49.1939, 0.3781, 0.5057



11.9219, 0.3272, 0.3459



21.2049, 0.4750, 0.4611



1.1182, 0.4609, 0.4722

Inverse Universe

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



12.9662, 0.1884, 0.1533



15.5862, 0.1689, 0.1157



9.0938, 0.1987, 0.1138



10.7381, 0.2983, 0.3115



4.4047, 0.1593, 0.0935



0.3314, 0.1711, 0.1361

Previews

White Background



This preview shows how the Yxy color 37.9174, 0.4404, 0.4512 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 37.9174, 0.4404, 0.4512 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 37.9174, 0.4404, 0.4512

Background



This preview shows how black text looks on a background with the Yxy color 37.9174, 0.4404, 0.4512.



This preview shows how white text looks on a background with the Yxy color 37.9174, 0.4404, 0.4512.

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

37.9174, 0.4404, 0.4512

Protanopia

37.8821, 0.4212, 0.4640

Deuteranopia

38.0145, 0.4506, 0.4426



Tritanopia

38.0073, 0.3593, 0.3152

Trichromacy



Original Color

37.9174, 0.4404, 0.4512

Protanomaly

37.7935, 0.4280, 0.4589

Deuteranomaly

37.9291, 0.4467, 0.4454

Tritanomaly

37.7101, 0.3948, 0.3704

Monochromacy



Original Color

37.9174, 0.4404, 0.4512

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.5454, 0.3622, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9174, 0.4404, 0.4512 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(199, 161, 56)` looks like.

```
.text, #text, p{  
    color:rgb(199, 161, 56)  
}
```

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(199, 161, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 161, 56) }
```

Border

The CSS property to change the border of an element to Yxy 37.9174, 0.4404, 0.4512 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(199, 161, 56) }
```

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

```
.border{ border-color:rgb(199, 161, 56) }
```

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

Here you see how a box with a 4 pixel rgb(199, 161, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 161, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 161, 56);  
box-shadow:4px 4px 4px 4px rgb(199, 161,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9174, 0.4404, 0.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 161, 56) }
```

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

```
.background{ background-color: rgb(199,  
161, 56) }
```

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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