

Converting Colors

$Yxy(39.0071, 0.4215, 0.4381)$

Have a look what the booklet for
Yxy(39.0071, 0.4215, 0.4381)
contains.

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Color

Yxy(38.8225, 0.4212, 0.4375)

Conversions

Conversions Part 1

Format	Color
Hex	C4A44D
RGB	196, 164, 77
RGB Percent	77%, 64%, 30%
CMY	0.2314, 0.3568, 0.6982
CMYK	0.00, 0.16, 0.61, 0.23
HSL	44°, 50%, 54%
HSV	44°, 61%, 77%
XYZ	37.3761, 38.8225, 12.5386
YIQ	163.6500, 46.9990, -20.2730

Conversions

Conversions Part 2

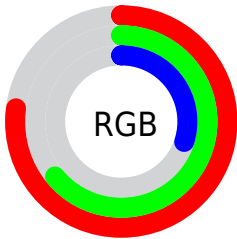
Format	Color
RYB	121, 196, 77
Decimal	12887117
CIELab	68.62, 1.56, 48.60
CIELCh	69, 48.623, 88.158
Yxy	38.8225, 0.4212, 0.4375
Android (android.graphics.Color)	4291077197 (0xFFC4A44D)
YUV	163.6500, -42.7185, 28.3709
Hunter-Lab	62.3077, -1.9629, 31.6841

Details

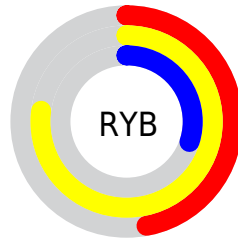
The Yxy color **38.8225, 0.4212, 0.4375** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.4860, 0.2068, 0.1844**, and the grayscale version is **37.1384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5080, 0.4024, 0.4194**, and **17.3694, 0.4462, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **36.7423, 0.4388, 0.4496**, and if you desaturate by 10%, it is **41.0679, 0.4023, 0.4222**.

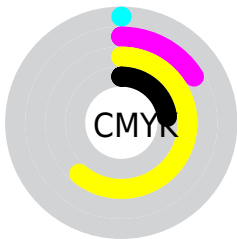
Distribution



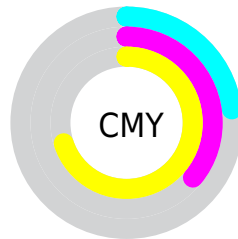
- Red (77%)
- Green (64%)
- Blue (30%)



- Red (47%)
- Yellow (77%)
- Blue (30%)



- Cyan (0%)
- Magenta (16%)
- Yellow (61%)
- Black (23%)





- Cyan (23%)
- Magenta (36%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8225, 0.4212, 0.4375 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 38.8225, 0.4212, 0.4375 by changing the saturation by 10% instead.

 38.8225, 0.4212,
0.4375


 38.8225, 0.4212,
0.4375


341.1352, 0.3681,
0.3848


 26.6217, 0.4331,
0.4491


 73.3671, 0.4027,
0.4193

 17.2893, 0.4471,
0.4626

 96.4796, 0.3954,
0.4121


 10.4410, 0.4632,
0.4778


 123.9982, 0.3892,
0.4060

 5.6923, 0.4911,
0.5043

 156.3072, 0.3838,
0.4006

 2.6589, 0.4951,
0.5049

 193.7910, 0.3791,
0.3959

 0.9564, 0.4983,
0.5017

236.8340, 0.3750,

 0.0000, 0.0000,

0.3918

0.0000

285.8206, 0.3713,
0.3881

■ 38.8225, 0.4212,
0.4375

■ 38.8225, 0.4212,
0.4375

■ 36.7423, 0.4388,
0.4496

■ 41.0679, 0.4023,
0.4222

■ 34.8129, 0.4544,
0.4575

■ 43.4805, 0.3831,
0.4047

■ 33.0260, 0.4671,
0.4605

■ 46.0692, 0.3642,
0.3860

■ 31.4794, 0.4766,
0.4598

■ 48.8404, 0.3462,
0.3670

■ 51.8002, 0.3293,
0.3483

■ 54.9543, 0.3138,
0.3303

■ 58.3079, 0.2997,
0.3133

■ 61.8661, 0.2869,
0.2974

■ 65.6339, 0.2755,
0.2828

Harmonies

Analogous

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



38.8225, 0.4541, 0.3896



38.8225, 0.4212, 0.4375



38.8225, 0.3612, 0.4618

Triad

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



38.8225, 0.4212, 0.4375



38.8225, 0.1955, 0.2993



38.8225, 0.3213, 0.2450

Complementary

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



38.8225, 0.4212, 0.4375



16.4860, 0.2068, 0.1844

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.



38.8225, 0.2537, 0.2222



38.8225, 0.4212, 0.4375



38.8225, 0.1879, 0.2461

Square

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



38.8225, 0.4212, 0.4375



38.8225, 0.2315, 0.3741



38.8225, 0.2077, 0.2213



38.8225, 0.3944, 0.2851

Rectangle

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



38.8225, 0.4212, 0.4375



38.8225, 0.3147, 0.4532



38.8225, 0.2077, 0.2213



38.8225, 0.2970, 0.2352

Sweetspot

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



38.8244, 0.4212, 0.4375



89.7719, 0.3420, 0.3624



18.1780, 0.4457, 0.2867



18.8844, 0.3471, 0.3680



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.



38.8244, 0.4212, 0.4375



65.3471, 0.4444, 0.4528



48.5763, 0.3744, 0.4825



11.2858, 0.3271, 0.3458



20.3786, 0.4756, 0.4605



0.9892, 0.4604, 0.4726

Inverse Universe

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



16.4860, 0.2068, 0.1844



21.6394, 0.1853, 0.1481



12.1574, 0.2166, 0.1448



10.1784, 0.2984, 0.3117



4.3001, 0.1596, 0.0944



0.3040, 0.1723, 0.1403

Previews

White Background



This preview shows how the Yxy color 38.8225, 0.4212, 0.4375 looks on a white background.

Color Contrast Check

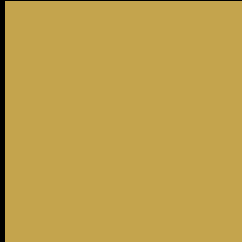
Large Text (above 18pt) WCAG AA × Fail

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 38.8225, 0.4212, 0.4375 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 38.8225, 0.4212, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 38.8225, 0.4212, 0.4375.

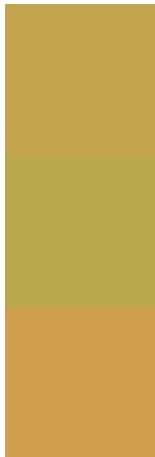


This preview shows how white text looks on a background with the Yxy color 38.8225, 0.4212, 0.4375.

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

38.8225, 0.4212, 0.4375

Protanopia

38.9944, 0.4073, 0.4458

Deuteranopia

38.6117, 0.4356, 0.4257



Tritanopia

38.5609, 0.3505, 0.3138

Trichromacy



Original Color

38.8225, 0.4212, 0.4375

Protanomaly

39.1346, 0.4121, 0.4427

Deuteranomaly

38.7363, 0.4299, 0.4298

Tritanomaly

38.4543, 0.3783, 0.3606

Monochromacy



Original Color

38.8225, 0.4212, 0.4375

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.4470, 0.3535, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8225, 0.4212, 0.4375 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(196, 164, 77)` looks like.

```
.text, #text, p{  
    color:rgb(196, 164, 77)  
}
```

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(196, 164, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 164, 77) }
```

Border

The CSS property to change the border of an element to Yxy 38.8225, 0.4212, 0.4375 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(196, 164, 77) }
```

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

```
.border{ border-color:rgb(196, 164, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 164, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 164, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 164, 77);  
box-shadow:4px 4px 4px 4px rgb(196, 164,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8225, 0.4212, 0.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 164, 77) }
```

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

```
.background{ background-color: rgb(196,  
164, 77) }
```

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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