

Converting Colors

$Yxy(38.3215, 0.4305, 0.4307)$

Have a look what the booklet for
Yxy(38.3215, 0.4305, 0.4307)
contains.

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Color

Yxy(38.2340, 0.4305, 0.4301)

Conversions

Conversions Part 1

Format	Color
Hex	CAA04D
RGB	202, 160, 77
RGB Percent	79%, 63%, 30%
CMY	0.2078, 0.3725, 0.6979
CMYK	0.00, 0.21, 0.62, 0.21
HSL	40°, 54%, 55%
HSV	40°, 62%, 79%
XYZ	38.2696, 38.2340, 12.3920
YIQ	163.0960, 51.6750, -16.9090

Conversions

Conversions Part 2

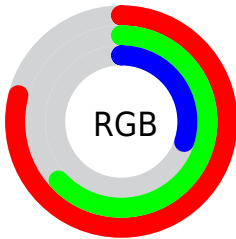
Format	Color
RYB	140, 202, 77
Decimal	13279309
CIELab	68.19, 6.31, 48.24
CIELCh	68, 48.649, 82.545
Yxy	38.2340, 0.4305, 0.4301
Android (android.graphics.Color)	4291469389 (0xFFCAA04D)
YUV	163.0960, -42.4453, 34.1188
Hunter-Lab	61.8336, 2.2668, 31.4013

Details

The Yxy color **38.2340, 0.4305, 0.4301** 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 **19.0490, 0.2077, 0.1947**, and the grayscale version is **36.8627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4459, 0.4045, 0.4158**, and **17.0272, 0.4602, 0.4523** is the 20% darker color. If you saturate the color by 10%, you get **35.7029, 0.4506, 0.4406**, and if you desaturate by 10%, it is **40.9860, 0.4094, 0.4163**.

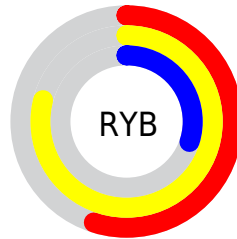
Distribution



Red (79%)

Green (63%)

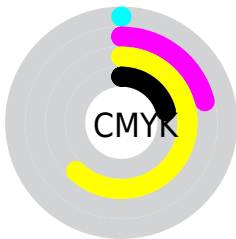
Blue (30%)



Red (55%)

Yellow (79%)

Blue (30%)

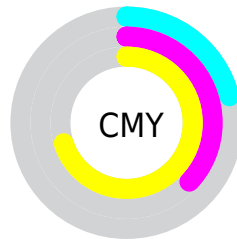


Cyan (0%)

Magenta (21%)

Yellow (62%)

Black (21%)



Cyan (21%)


Magenta (37%)


Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2340, 0.4305, 0.4301 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 38.2340, 0.4305, 0.4301 by changing the saturation by 10% instead.

 38.2340, 0.4305,
0.4301


 38.2340, 0.4305,
0.4301


338.6227, 0.3722,
0.3819


 26.1644, 0.4438,
0.4403


 72.4667, 0.4100,
0.4137


 16.9466, 0.4597,
0.4520


 95.3985, 0.4021,
0.4072

 10.1965, 0.4783,
0.4645


 122.7198, 0.3953,
0.4015

 5.5294, 0.5106,
0.4871

 154.8150, 0.3894,
0.3965

 2.5611, 0.5187,
0.4813

 192.0685, 0.3842,
0.3922

 0.9072, 0.5313,
0.4687

234.8647, 0.3797,

 0.0000, 0.0000,

0.3884

0.0000

283.5879, 0.3757,
0.3849

■ 38.2340, 0.4305,
0.4301

■ 38.2340, 0.4305,
0.4301

■ 35.7029, 0.4506,
0.4406

■ 40.9860, 0.4094,
0.4163

■ 33.3766, 0.4688,
0.4467

■ 43.9627, 0.3884,
0.4003

■ 31.2447, 0.4841,
0.4477

■ 47.1746, 0.3681,
0.3832

■ 29.6363, 0.4946,
0.4455

■ 50.6297, 0.3490,
0.3657

■ 54.3353, 0.3314,
0.3485

■ 58.2985, 0.3155,
0.3320

■ 62.5260, 0.3012,
0.3164

■ 67.0241, 0.2884,
0.3019

■ 71.5486, 0.2791,
0.2924

Harmonies

Analogous

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



38.2340, 0.4567, 0.3798



38.2340, 0.4305, 0.4301



38.2340, 0.3739, 0.4609

Triad

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



38.2340, 0.4305, 0.4301



38.2340, 0.1995, 0.3121



38.2340, 0.3075, 0.2388

Complementary

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



38.2340, 0.4305, 0.4301



19.0490, 0.2077, 0.1947

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.



38.2340, 0.2428, 0.2198



38.2340, 0.4305, 0.4301



38.2340, 0.1866, 0.2534

Square

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



38.2340, 0.4305, 0.4301



38.2340, 0.2409, 0.3887



38.2340, 0.2014, 0.2234



38.2340, 0.3819, 0.2763

Rectangle

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



38.2340, 0.4305, 0.4301



38.2340, 0.3279, 0.4588



38.2340, 0.2014, 0.2234



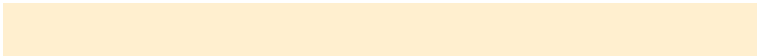
38.2340, 0.2839, 0.2302

Sweetspot

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



38.2359, 0.4305, 0.4301



87.3091, 0.3443, 0.3612



19.2463, 0.4361, 0.2756



18.3086, 0.3496, 0.3662



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.



38.2359, 0.4305, 0.4301



59.1689, 0.4566, 0.4430



52.8785, 0.3825, 0.4809



12.4367, 0.3274, 0.3443



19.2399, 0.4933, 0.4465



1.1290, 0.4753, 0.4608

Inverse Universe

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



19.0490, 0.2077, 0.1947



24.2814, 0.1880, 0.1615



12.0540, 0.2073, 0.1379



11.4500, 0.2983, 0.3132



5.5446, 0.1639, 0.1100



0.4258, 0.1751, 0.1503

Previews

White Background



This preview shows how the Yxy color 38.2340, 0.4305, 0.4301 looks on a white background.

Color Contrast Check

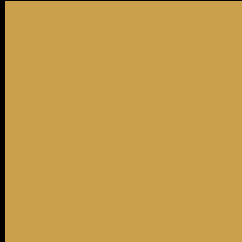
Large Text (above 18pt) WCAG AA × Fail

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 38.2340, 0.4305, 0.4301 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 38.2340, 0.4305, 0.4301

Background



This preview shows how black text looks on a background with the Yxy color 38.2340, 0.4305, 0.4301.



This preview shows how white text looks on a background with the Yxy color 38.2340, 0.4305, 0.4301.

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

38.2340, 0.4305, 0.4301

Protanopia

38.3923, 0.4053, 0.4446

Deuteranopia

38.1114, 0.4362, 0.4261



Tritanopia

38.2972, 0.3613, 0.3154

Trichromacy



Original Color

38.2340, 0.4305, 0.4301

Protanomaly

38.1773, 0.4154, 0.4389

Deuteranomaly

38.3112, 0.4344, 0.4276

Tritanomaly

37.8717, 0.3893, 0.3587

Monochromacy



Original Color

38.2340, 0.4305, 0.4301

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.8537, 0.3552, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2340, 0.4305, 0.4301 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(202, 160, 77)` looks like.

```
.text, #text, p{  
    color:rgb(202, 160, 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(202, 160, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 160, 77) }
```

Border

The CSS property to change the border of an element to Yxy 38.2340, 0.4305, 0.4301 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(202, 160, 77) }
```

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

```
.border{ border-color:rgb(202, 160, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 160, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 160, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 160, 77);  
box-shadow:4px 4px 4px 4px rgb(202, 160,  
77) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.2340, 0.4305, 0.4301$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 160, 77) }
```

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

```
.background{ background-color: rgb(202,  
160, 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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