

Converting Colors

$Y_{xy}(38.8517, 0.4456, 0.4308)$

Have a look what the booklet for
Yxy(38.8517, 0.4456, 0.4308)
contains.

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Color

Yxy(38.7448, 0.4462, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	D39E46
RGB	211, 158, 70
RGB Percent	83%, 62%, 27%
CMY	0.1724, 0.3804, 0.7255
CMYK	0.00, 0.25, 0.67, 0.17
HSL	37°, 62%, 55%
HSV	37°, 67%, 83%
XYZ	40.2045, 38.7448, 11.1549
YIQ	163.8150, 59.8360, -16.1320

Conversions

Conversions Part 2

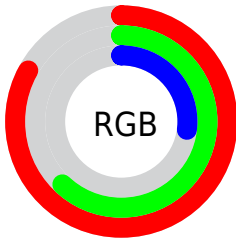
Format	Color
RYB	155, 211, 70
Decimal	13868614
CIELab	68.57, 10.82, 52.22
CIElCh	69, 53.330, 78.291
Yxy	38.7448, 0.4462, 0.4300
Android (android.graphics.Color)	4292058694 (0xFFD39E46)
YUV	163.8150, -46.2508, 41.3812
Hunter-Lab	62.2453, 6.3645, 32.9464

Details

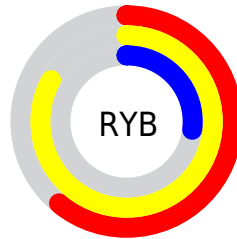
The Yxy color **38.7448, 0.4462, 0.4300** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **20.1875, 0.2017, 0.1905**, and the grayscale version is **37.2368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7521, 0.4106, 0.4194**, and **17.3222, 0.4785, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **35.9043, 0.4673, 0.4376**, and if you desaturate by 10%, it is **41.8577, 0.4238, 0.4185**.

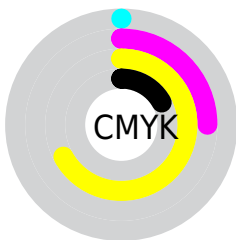
Distribution



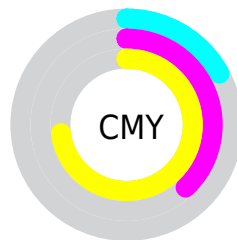
- Red (83%)
- Green (62%)
- Blue (27%)



- Red (61%)
- Yellow (83%)
- Blue (27%)



- Cyan (0%)
- Magenta (25%)
- Yellow (67%)
- Black (17%)



- Cyan (17%)
- Magenta (38%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7448, 0.4462, 0.4300 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 38.7448, 0.4462, 0.4300 by changing the saturation by 10% instead.


 38.7448, 0.4462,
0.4300


 38.7448, 0.4462,
0.4300


340.8043, 0.3806,
0.3836


 26.5613, 0.4609,
0.4390


 73.2483, 0.4233,
0.4148


 17.2440, 0.4782,
0.4487

 96.3370, 0.4144,
0.4085

 10.4086, 0.4981,
0.4579

 123.8296, 0.4067,
0.4030

 5.6707, 0.5284,
0.4716

 156.1105, 0.4001,
0.3982

 2.6459, 0.5398,
0.4602

 193.5640, 0.3942,
0.3939

 0.9498, 0.5600,
0.4400

236.5745, 0.3891,

 0.0000, 1.0000,

0.3901

0.0000

285.5265, 0.3846,
0.3867

■ 0.0000, 0.0000,
0.0000

■ 38.7448, 0.4462,
0.4300

■ 38.7448, 0.4462,
0.4300

■ 35.9043, 0.4673,
0.4376

■ 41.8577, 0.4238,
0.4185

■ 33.3169, 0.4860,
0.4403

■ 45.2492, 0.4013,
0.4043

■ 30.9676, 0.5014,
0.4378

■ 48.9322, 0.3796,
0.3884

■ 30.2635, 0.5059,
0.4365

■ 52.9168, 0.3591,
0.3719

■ 57.2124, 0.3403,
0.3554

■ 61.8277, 0.3233,
0.3394

■ 66.7714, 0.3081,
0.3243

■ 72.0513, 0.2945,
0.3102

■ 77.3528, 0.2853,
0.3020

Harmonies

Analogous

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



38.7448, 0.4696, 0.3739



38.7448, 0.4462, 0.4300



38.7448, 0.3879, 0.4699

Triad

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



38.7448, 0.4462, 0.4300



38.7448, 0.1948, 0.3210



38.7448, 0.2955, 0.2278

Complementary

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



38.7448, 0.4462, 0.4300



20.1875, 0.2017, 0.1905

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.



38.7448, 0.2289, 0.2105



38.7448, 0.4462, 0.4300



38.7448, 0.1772, 0.2535

Square

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



38.7448, 0.4462, 0.4300



38.7448, 0.2428, 0.4062



38.7448, 0.1889, 0.2176



38.7448, 0.3767, 0.2652

Rectangle

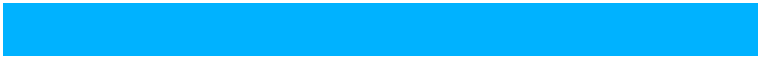
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.7448, 0.4462, 0.4300



38.7448, 0.3388, 0.4741



38.7448, 0.1889, 0.2176



38.7448, 0.2707, 0.2196

Sweetspot

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



38.7467, 0.4462, 0.4300



85.5048, 0.3465, 0.3609



19.6928, 0.4446, 0.2677



17.9001, 0.3518, 0.3656



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.



38.7467, 0.4462, 0.4300



53.4454, 0.4752, 0.4393



58.5960, 0.3899, 0.4881



13.0192, 0.3275, 0.3435



18.4597, 0.5043, 0.4378



1.1821, 0.4847, 0.4533

Inverse Universe

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



20.1875, 0.2017, 0.1905



23.2931, 0.1830, 0.1573



11.0869, 0.1943, 0.1208



12.1359, 0.2982, 0.3141



6.4274, 0.1669, 0.1206



0.5102, 0.1772, 0.1579

Previews

White Background



This preview shows how the Yxy color 38.7448, 0.4462, 0.4300 looks on a white background.

Color Contrast Check

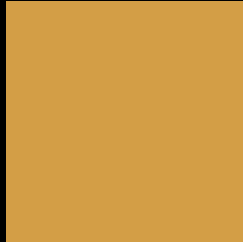
Large Text (above 18pt) WCAG AA × Fail

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 38.7448, 0.4462, 0.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

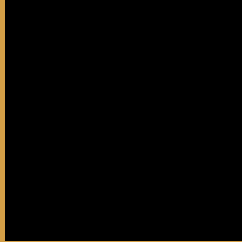
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7448, 0.4462, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 38.7448, 0.4462, 0.4300.



This preview shows how white text looks on a background with the Yxy color 38.7448, 0.4462, 0.4300.

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

38.7448, 0.4462, 0.4300

Protanopia

38.9254, 0.4107, 0.4509

Deuteranopia

38.6484, 0.4423, 0.4326



Tritanopia

38.6233, 0.3735, 0.3146

Trichromacy



Original Color

38.7448, 0.4462, 0.4300

Protanomaly

38.6209, 0.4237, 0.4429

Deuteranomaly

38.7938, 0.4433, 0.4321

Tritanomaly

38.4359, 0.4036, 0.3601

Monochromacy



Original Color

38.7448, 0.4462, 0.4300

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.2761, 0.3611, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7448, 0.4462, 0.4300 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(211, 158, 70)` looks like.

```
.text, #text, p{  
    color:rgb(211, 158, 70)  
}
```

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(211, 158, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 158, 70) }
```

Border

The CSS property to change the border of an element to Yxy 38.7448, 0.4462, 0.4300 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(211, 158, 70) }
```

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

```
.border{ border-color:rgb(211, 158, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 158, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 158, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 158, 70);  
box-shadow:4px 4px 4px 4px rgb(211, 158,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7448, 0.4462, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 158, 70) }
```

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

```
.background{ background-color: rgb(211,  
158, 70) }
```

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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