

Converting Colors

$Y_{xy}(42.1875, 0.4402, 0.4293)$

Have a look what the booklet for
Yxy(42.1875, 0.4402, 0.4293)
contains.

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Color

Yxy(42.0450, 0.4398, 0.4289)

Conversions

Conversions Part 1

Format	Color
Hex	D8A54D
RGB	216, 165, 77
RGB Percent	85%, 65%, 30%
CMY	0.1530, 0.3529, 0.6979
CMYK	0.00, 0.24, 0.64, 0.15
HSL	38°, 64%, 57%
HSV	38°, 64%, 85%
XYZ	43.1135, 42.0450, 12.8713
YIQ	170.2170, 58.6440, -16.5560

Conversions

Conversions Part 2

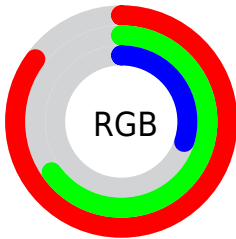
Format	Color
RYB	158, 216, 77
Decimal	14198093
CIELab	70.90, 9.60, 51.67
CIElCh	71, 52.558, 79.479
Yxy	42.0450, 0.4398, 0.4289
Android (android.graphics.Color)	4292388173 (0xFFD8A54D)
YUV	170.2170, -45.9560, 40.1517
Hunter-Lab	64.8421, 5.2110, 33.6203

Details

The Yxy color **42.0450, 0.4398, 0.4289** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.9827, 0.2049, 0.1943**, and the grayscale version is **40.5270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0314, 0.4019, 0.4203**, and **19.0443, 0.4699, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **39.0194, 0.4609, 0.4377**, and if you desaturate by 10%, it is **45.3532, 0.4176, 0.4164**.

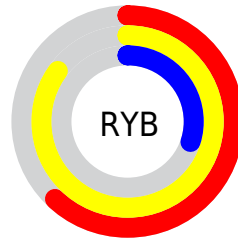
Distribution



Red (85%)

Green (65%)

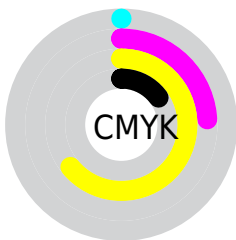
Blue (30%)



Red (62%)

Yellow (85%)

Blue (30%)

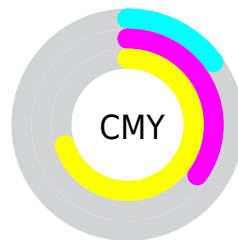


Cyan (0%)

Magenta (24%)

Yellow (64%)

Black (15%)



Cyan (15%)


Magenta (35%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0450, 0.4398, 0.4289 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 42.0450, 0.4398, 0.4289 by changing the saturation by 10% instead.


 42.0450, 0.4398,
0.4289

 42.0450, 0.4398,
0.4289


354.6694, 0.3780,
0.3830

 29.1365, 0.4536,
0.4380


 78.2677, 0.4183,
0.4138

 19.1841, 0.4698,
0.4481


 102.3508, 0.4099,
0.4076


 11.8034, 0.4888,
0.4583


 130.9275, 0.4027,
0.4022

 6.6100, 0.5179,
0.4741

 164.3822, 0.3964,
0.3974

 3.2194, 0.5312,
0.4688

 203.0994, 0.3909,
0.3932

 1.2473, 0.5468,
0.4532

247.4634, 0.3861,

 0.0998, 0.7673,

0.3894

0.2327

297.8586, 0.3818,
0.3861

0.0000, 0.0000,
0.0000

42.0450, 0.4398,
0.4289

42.0450, 0.4398,
0.4289

39.0194, 0.4609,
0.4377

45.3532, 0.4176,
0.4164

36.2566, 0.4799,
0.4418

48.9499, 0.3955,
0.4015

33.7427, 0.4956,
0.4408

52.8484, 0.3742,
0.3852

32.4148, 0.5035,
0.4384

57.0587, 0.3542,
0.3683

61.5906, 0.3359,
0.3517

■ 66.4531, 0.3193,
0.3357

■ 71.6547, 0.3045,
0.3205

■ 77.2037, 0.2913,
0.3064

■ 82.0037, 0.2887,
0.3096

Harmonies

Analogous

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



42.0450, 0.4635, 0.3753



42.0450, 0.4398, 0.4289



42.0450, 0.3829, 0.4652

Triad

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



42.0450, 0.4398, 0.4289



42.0450, 0.1979, 0.3186



42.0450, 0.2993, 0.2323

Complementary

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



42.0450, 0.4398, 0.4289



21.9827, 0.2049, 0.1943

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.



42.0450, 0.2342, 0.2148



42.0450, 0.4398, 0.4289



42.0450, 0.1817, 0.2547

Square

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



42.0450, 0.4398, 0.4289



42.0450, 0.2434, 0.3997



42.0450, 0.1942, 0.2209



42.0450, 0.3773, 0.2694

Rectangle

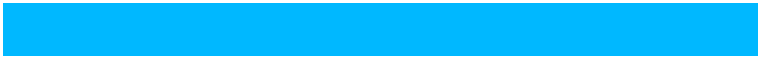
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.0450, 0.4398, 0.4289



42.0450, 0.3355, 0.4672



42.0450, 0.1942, 0.2209



42.0450, 0.2752, 0.2241

Sweetspot

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



42.0471, 0.4398, 0.4289



86.4399, 0.3446, 0.3597



21.5314, 0.4373, 0.2688



18.0976, 0.3499, 0.3645



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.



42.0471, 0.4398, 0.4289



55.4190, 0.4676, 0.4397



61.8947, 0.3882, 0.4839



13.7181, 0.3275, 0.3437



19.3996, 0.5019, 0.4397



1.3255, 0.4840, 0.4539

Inverse Universe

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



21.9827, 0.2049, 0.1943



24.2909, 0.1860, 0.1619



12.6113, 0.1988, 0.1279



12.7475, 0.2982, 0.3138



6.4555, 0.1661, 0.1179



0.5448, 0.1758, 0.1529

Previews

White Background



This preview shows how the Yxy color 42.0450, 0.4398, 0.4289 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 42.0450, 0.4398, 0.4289 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 42.0450, 0.4398, 0.4289

Background



This preview shows how black text looks on a background with the Yxy color 42.0450, 0.4398, 0.4289.



This preview shows how white text looks on a background with the Yxy color 42.0450, 0.4398, 0.4289.

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

42.0450, 0.4398, 0.4289

Protanopia

42.1887, 0.4084, 0.4466

Deuteranopia

41.8932, 0.4389, 0.4294



Tritanopia

41.9207, 0.3691, 0.3149

Trichromacy



Original Color

42.0450, 0.4398, 0.4289

Protanomaly

42.1078, 0.4191, 0.4405

Deuteranomaly

41.8932, 0.4389, 0.4294

Tritanomaly

41.7331, 0.3980, 0.3594

Monochromacy



Original Color

42.0450, 0.4398, 0.4289

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.3476, 0.3595, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0450, 0.4398, 0.4289 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(216, 165, 77)` looks like.

```
.text, #text, p{  
    color:rgb(216, 165, 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(216, 165, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 165, 77) }
```

Border

The CSS property to change the border of an element to Yxy 42.0450, 0.4398, 0.4289 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(216, 165, 77) }
```

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

```
.border{ border-color:rgb(216, 165, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 165, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 165, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 165, 77);  
box-shadow:4px 4px 4px 4px rgb(216, 165,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0450, 0.4398, 0.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 165, 77) }
```

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

```
.background{ background-color: rgb(216,  
165, 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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