

Converting Colors

$Y_{xy}(42.5598, 0.4247, 0.4548)$

Have a look what the booklet for
Yxy(42.5598, 0.4247, 0.4548)
contains.

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Color

Yxy(42.5598, 0.4247, 0.4548)

Conversions

Conversions Part 1

Format	Color
Hex	C8AD42
RGB	200, 173, 66
RGB Percent	78%, 68%, 26%
CMY	0.2158, 0.3215, 0.7411
CMYK	0.00, 0.13, 0.67, 0.22
HSL	48°, 55%, 52%
HSV	48°, 67%, 78%
XYZ	39.7431, 42.5598, 11.2763
YIQ	168.8750, 50.4390, -27.5530

Conversions

Conversions Part 2

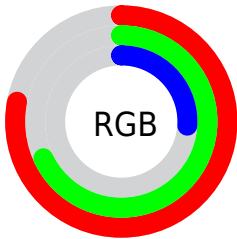
Format	Color
RYB	100, 200, 66
Decimal	13151554
CIELab	71.26, -2.21, 56.52
CIELCh	71, 56.562, 92.239
Yxy	42.5598, 0.4247, 0.4548
Android (android.graphics.Color)	4291341634 (0xFFC8AD42)
YUV	168.8750, -50.7174, 27.2966
Hunter-Lab	65.2379, -5.4237, 35.4183

Details

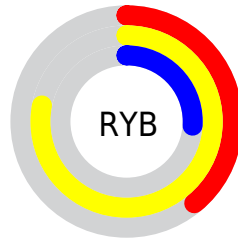
The Yxy color **42.5598, 0.4247, 0.4548** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **13.1542, 0.1928, 0.1529**, and the grayscale version is **39.8489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0787, 0.4037, 0.4359**, and **19.5188, 0.4481, 0.4812** is the 20% darker color. If you saturate the color by 10%, you get **40.8447, 0.4385, 0.4653**, and if you desaturate by 10%, it is **44.4080, 0.4088, 0.4404**.

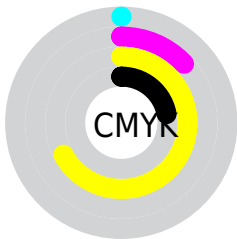
Distribution



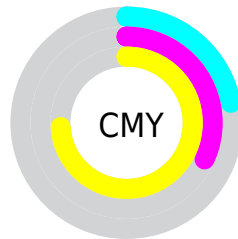
- Red (78%)
- Green (68%)
- Blue (26%)



- Red (39%)
- Yellow (78%)
- Blue (26%)



- Cyan (0%)
- Magenta (13%)
- Yellow (67%)
- Black (22%)




- Cyan (22%)
- Magenta (32%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5598, 0.4247, 0.4548 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 42.5598, 0.4247, 0.4548 by changing the saturation by 10% instead.


 42.5598, 0.4247,
0.4548


 42.5598, 0.4247,
0.4548


356.7983, 0.3722,
0.3950

 29.5399, 0.4355,
0.4674


 79.0462, 0.4071,
0.4345

 19.4896, 0.4475,
0.4818


 103.2814, 0.4000,
0.4264


 12.0246, 0.4602,
0.4975


 132.0238, 0.3938,
0.4194

 6.7604, 0.4791,
0.5209

 165.6579, 0.3884,
0.4132

 3.3127, 0.4769,
0.5231

 204.5680, 0.3836,
0.4078

 1.2971, 0.4731,
0.5269

249.1385, 0.3793,

 0.1390, 0.3599,

0.4030

0.6401

299.7538, 0.3756,
0.3988

0.0000, 0.0000,
0.0000

42.5598, 0.4247,
0.4548

42.5598, 0.4247,
0.4548

40.8447, 0.4385,
0.4653

44.4080, 0.4088,
0.4404

39.2470, 0.4497,
0.4713

46.3912, 0.3916,
0.4230

37.7564, 0.4580,
0.4727

48.5188, 0.3739,
0.4036

37.3218, 0.4603,
0.4727

50.7973, 0.3563,
0.3833

53.2328, 0.3393,
0.3627

■ 55.8308, 0.3233,
0.3426

■ 58.5968, 0.3084,
0.3233

■ 61.5357, 0.2947,
0.3051

■ 64.6522, 0.2823,
0.2883

Harmonies

Analogous

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



42.5598, 0.4680, 0.4019



42.5598, 0.4247, 0.4548



42.5598, 0.3547, 0.4796

Triad

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



42.5598, 0.4247, 0.4548



42.5598, 0.1797, 0.2844



42.5598, 0.3332, 0.2410

Complementary

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



42.5598, 0.4247, 0.4548



13.1542, 0.1928, 0.1529

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.



42.5598, 0.2554, 0.2132



42.5598, 0.4247, 0.4548



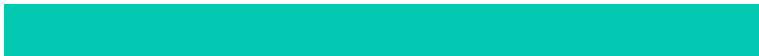
42.5598, 0.1761, 0.2303

Square

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



42.5598, 0.4247, 0.4548



42.5598, 0.2143, 0.3676



42.5598, 0.2014, 0.2082



42.5598, 0.4147, 0.2867

Rectangle

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



42.5598, 0.4247, 0.4548



42.5598, 0.3029, 0.4658



42.5598, 0.2014, 0.2082



42.5598, 0.3055, 0.2294

Sweetspot

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



42.5618, 0.4247, 0.4548



90.7628, 0.3448, 0.3695



17.0020, 0.4842, 0.2958



19.1691, 0.3497, 0.3753



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.



42.5618, 0.4247, 0.4548



69.5570, 0.4435, 0.4684



49.3775, 0.3703, 0.5004



12.0402, 0.3270, 0.3473



23.8647, 0.4596, 0.4733



1.2247, 0.4497, 0.4811

Inverse Universe

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



13.1542, 0.1928, 0.1529



15.5901, 0.1719, 0.1153



11.0089, 0.2130, 0.1297



10.6276, 0.2983, 0.3100



3.7312, 0.1559, 0.0811



0.2816, 0.1666, 0.1197

Previews

White Background



This preview shows how the Yxy color 42.5598, 0.4247, 0.4548 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 42.5598, 0.4247, 0.4548 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 42.5598, 0.4247, 0.4548

Background



This preview shows how black text looks on a background with the Yxy color 42.5598, 0.4247, 0.4548.

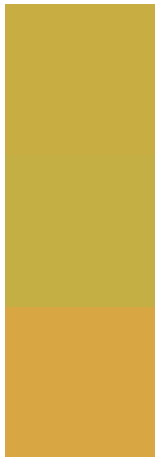


This preview shows how white text looks on a background with the Yxy color 42.5598, 0.4247, 0.4548.

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

42.5598, 0.4247, 0.4548

Protanopia

42.6673, 0.4177, 0.4587

Deuteranopia

42.4415, 0.4458, 0.4370



Tritanopia

42.4911, 0.3459, 0.3131

Trichromacy



Original Color

42.5598, 0.4247, 0.4548

Protanomaly

42.5477, 0.4204, 0.4566

Deuteranomaly

42.6301, 0.4381, 0.4440

Tritanomaly

42.1435, 0.3800, 0.3685

Monochromacy



Original Color

42.5598, 0.4247, 0.4548

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.1187, 0.3555, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5598, 0.4247, 0.4548 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(200, 173, 66)` looks like.

```
.text, #text, p{  
    color:rgb(200, 173, 66)  
}
```

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(200, 173, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 173, 66) }
```

Border

The CSS property to change the border of an element to Yxy 42.5598, 0.4247, 0.4548 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(200, 173, 66) }
```

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

```
.border{ border-color:rgb(200, 173, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 173, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 173, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 173, 66);  
box-shadow:4px 4px 4px 4px rgb(200, 173,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5598, 0.4247, 0.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 173, 66) }
```

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

```
.background{ background-color: rgb(200,  
173, 66) }
```

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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