

Converting Colors

$Y_{xy}(42.0770, 0.4226, 0.4047)$

Have a look what the booklet for
Yxy(42.0770, 0.4226, 0.4047)
contains.

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Color

Yxy(42.0699, 0.4228, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	D8A464
RGB	216, 164, 100
RGB Percent	85%, 64%, 39%
CMY	0.1529, 0.3569, 0.6079
CMYK	0.00, 0.24, 0.54, 0.15
HSL	33°, 60%, 62%
HSV	33°, 54%, 85%
XYZ	43.8972, 42.0699, 17.8579
YIQ	172.2520, 51.5360, -8.8800

Conversions

Conversions Part 2

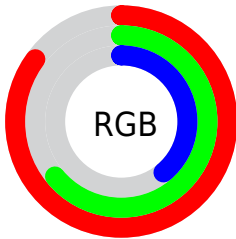
Format	Color
RYB	194, 216, 100
Decimal	14197860
CIELab	70.92, 11.84, 40.38
CIElCh	71, 42.083, 73.664
Yxy	42.0699, 0.4228, 0.4052
Android (android.graphics.Color)	4292387940 (0xFFD8A464)
YUV	172.2520, -35.6202, 38.3670
Hunter-Lab	64.8613, 7.2990, 29.0789

Details

The Yxy color **42.0699, 0.4228, 0.4052** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.1221, 0.2251, 0.2348**, and the grayscale version is **41.5543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1900, 0.3870, 0.3975**, and **19.0965, 0.4521, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **38.3727, 0.4482, 0.4162**, and if you desaturate by 10%, it is **46.1460, 0.3982, 0.3919**.

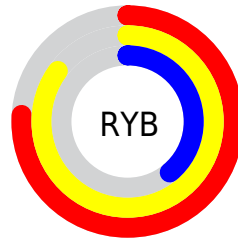
Distribution



Red (85%)

Green (64%)

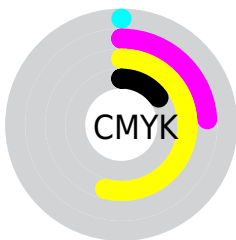
Blue (39%)



Red (76%)

Yellow (85%)

Blue (39%)

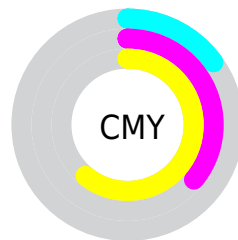


Cyan (0%)

Magenta (24%)

Yellow (54%)

Black (15%)



Cyan (15%)


Magenta (36%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0699, 0.4228, 0.4052 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 42.0699, 0.4228, 0.4052 by changing the saturation by 10% instead.


 42.0699, 0.4228,
0.4052


 42.0699, 0.4228,
0.4052


354.7726, 0.3678,
0.3695


 29.1560, 0.4359,
0.4128


 78.3054, 0.4031,
0.3931


 19.1989, 0.4522,
0.4217


 102.3958, 0.3956,
0.3882

 11.8141, 0.4726,
0.4316


 130.9806, 0.3892,
0.3840

 6.6172, 0.4980,
0.4417

 164.4440, 0.3837,
0.3804

 3.2239, 0.5410,
0.4590

203.1705, 0.3790,
0.3772

 1.2497, 0.5599,
0.4401

247.5445, 0.3748,

 0.1017, 0.7912,

0.3743

0.2088

297.9504, 0.3711,
0.3718

0.0000, 0.0000,
0.0000

42.0699, 0.4228,
0.4052

42.0699, 0.4228,
0.4052

38.3727, 0.4482,
0.4162

46.1460, 0.3982,
0.3919

35.0334, 0.4731,
0.4236

50.6085, 0.3752,
0.3774

32.0376, 0.4962,
0.4263

55.4722, 0.3541,
0.3626

29.3666, 0.5160,
0.4237

60.7491, 0.3352,
0.3480

27.8381, 0.5269,
0.4198

66.4506, 0.3184,
0.3340

■ 72.5874, 0.3037,
0.3208

■ 79.1700, 0.2907,
0.3086

■ 85.0089, 0.2889,
0.3150

■ 90.9099, 0.2893,
0.3250

Harmonies

Analogous

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



42.0699, 0.4335, 0.3608



42.0699, 0.4228, 0.4052



42.0699, 0.3820, 0.4357

Triad

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



42.0699, 0.4228, 0.4052



42.0699, 0.2246, 0.3342



42.0699, 0.2911, 0.2448

Complementary

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



42.0699, 0.4228, 0.4052



30.1221, 0.2251, 0.2348

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.



42.0699, 0.2406, 0.2340



42.0699, 0.4228, 0.4052



42.0699, 0.2053, 0.2786

Square

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



42.0699, 0.4228, 0.4052



42.0699, 0.2673, 0.3959



42.0699, 0.2110, 0.2445



42.0699, 0.3531, 0.2732

Rectangle

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



42.0699, 0.4228, 0.4052



42.0699, 0.3447, 0.4398



42.0699, 0.2110, 0.2445



42.0699, 0.2723, 0.2390

Sweetspot

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



42.0719, 0.4228, 0.4052



86.5261, 0.3396, 0.3515



25.9854, 0.3962, 0.2670



18.1743, 0.3435, 0.3545



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.



42.0719, 0.4228, 0.4052



55.4203, 0.4504, 0.4170



63.7723, 0.3854, 0.4594



13.5454, 0.3277, 0.3419



16.6932, 0.5248, 0.4215



1.1711, 0.5017, 0.4398

Inverse Universe

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



30.1221, 0.2251, 0.2348



36.3803, 0.2087, 0.2115



17.1202, 0.2136, 0.1599



12.9161, 0.2982, 0.3158



8.1848, 0.1728, 0.1420



0.6575, 0.1820, 0.1753

Previews

White Background



This preview shows how the Yxy color 42.0699, 0.4228, 0.4052 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 42.0699, 0.4228, 0.4052 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 42.0699, 0.4228, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 42.0699, 0.4228, 0.4052.



This preview shows how white text looks on a background with the Yxy color 42.0699, 0.4228, 0.4052.

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

42.0699, 0.4228, 0.4052

Protanopia

42.2187, 0.3876, 0.4210

Deuteranopia

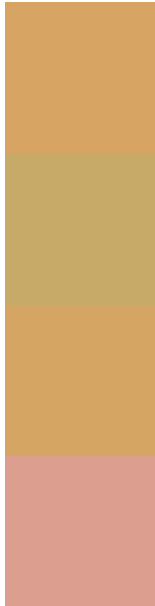
42.1896, 0.4175, 0.4088



Tritanopia

42.1337, 0.3668, 0.3149

Trichromacy



Original Color

42.0699, 0.4228, 0.4052

Protanomaly

41.8708, 0.3996, 0.4144

Deuteranomaly

41.9765, 0.4192, 0.4073

Tritanomaly

41.9951, 0.3890, 0.3485

Monochromacy



Original Color

42.0699, 0.4228, 0.4052

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.1426, 0.3510, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0699, 0.4228, 0.4052 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, 164, 100)` looks like.

```
.text, #text, p{  
    color:rgb(216, 164, 100)  
}
```

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, 164, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 164, 100) }
```

Border

The CSS property to change the border of an element to Yxy 42.0699, 0.4228, 0.4052 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, 164, 100) }
```

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

```
.border{ border-color:rgb(216, 164, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 164, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 164, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 164, 100);  
box-shadow:4px 4px 4px 4px rgb(216, 164,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0699, 0.4228, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 164, 100) }
```

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

```
.background{ background-color: rgb(216,  
164, 100) }
```

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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