

# Converting Colors

$Y_{xy}(45.1644, 0.4125, 0.4026)$

Have a look what the booklet for  
Yxy(45.1644, 0.4125, 0.4026)  
contains.

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# Color

**Yxy(45.1354, 0.4124, 0.4026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAAB6D
RGB	218, 171, 109
RGB Percent	85%, 67%, 43%
CMY	0.1451, 0.3294, 0.5726
CMYK	0.00, 0.22, 0.50, 0.15
HSL	34°, 60%, 64%
HSV	34°, 50%, 85%
XYZ	46.2341, 45.1354, 20.7403
YIQ	177.9850, 47.9140, -9.3180

# Conversions

## Conversions Part 2

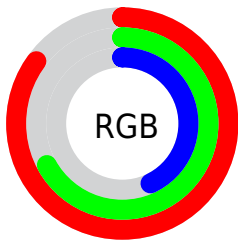
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	192, 218, 109
Decimal	14330733
CIE Lab	72.98, 9.69, 38.34
CIE LCh	73, 39.546, 75.817
Yxy	45.1354, 0.4124, 0.4026
Android (android.graphics.Color)	4292520813 (0xFFDAAB6D)
YUV	177.9850, -34.0096, 35.0932
Hunter-Lab	67.1829, 5.2705, 28.7244

# Details

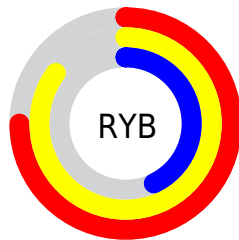
The Yxy color **45.1354, 0.4124, 0.4026** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.0794, 0.2305, 0.2397**, and the grayscale version is **44.6773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2259, 0.3782, 0.3951**, and **21.0970, 0.4388, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **41.3003, 0.4370, 0.4150**, and if you desaturate by 10%, it is **49.3436, 0.3888, 0.3884**.

# Distribution



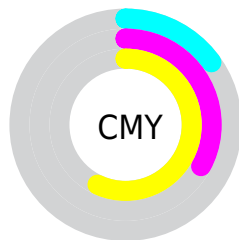
- Red (85%)
- Green (67%)
- Blue (43%)



- Red (75%)
- Yellow (85%)
- Blue (43%)



- Cyan (0%)
- Magenta (22%)
- Yellow (50%)
- Black (15%)




- Cyan (15%)
- Magenta (33%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1354, 0.4124, 0.4026 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 45.1354, 0.4124, 0.4026 by changing the saturation by 10% instead.





 45.1354, 0.4124,  
0.4026

 45.1354, 0.4124,  
0.4026

367.3217, 0.3630,  
0.3679


 31.5641, 0.4241,  
0.4102

 82.9236, 0.3948,  
0.3907


 21.0288, 0.4387,  
0.4192


 107.9092, 0.3881,  
0.3860

 13.1450, 0.4570,  
0.4298


 137.4684, 0.3823,  
0.3819

 7.5285, 0.4802,  
0.4416

 171.9855, 0.3774,  
0.3784

 3.7948, 0.5235,  
0.4655

211.8451, 0.3731,  
0.3753

 1.5594, 0.5432,  
0.4568

257.4313, 0.3693,

 0.3300, 0.6251,

0.3725

0.3749

309.1287, 0.3660,  
0.3701

0.0000, 0.0000,  
0.0000

45.1354, 0.4124,  
0.4026

45.1354, 0.4124,  
0.4026

41.3003, 0.4370,  
0.4150

49.3436, 0.3888,  
0.3884

37.8178, 0.4615,  
0.4242

53.9313, 0.3667,  
0.3732

34.6747, 0.4846,  
0.4291

58.9127, 0.3467,  
0.3580

31.8535, 0.5049,  
0.4289

64.2994, 0.3287,  
0.3431

29.3276, 0.5219,  
0.4238

70.1020, 0.3127,  
0.3290

■ 76.3310, 0.2986,  
0.3158

■ 82.5648, 0.2899,  
0.3101

■ 88.1421, 0.2903,  
0.3199

■ 93.6439, 0.2906,  
0.3289

# Harmonies

## Analogous

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



45.1354, 0.4240, 0.3623



45.1354, 0.4124, 0.4026



45.1354, 0.3736, 0.4282

# Triad

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



45.1354, 0.4124, 0.4026



45.1354, 0.2293, 0.3301



45.1354, 0.2969, 0.2522

# Complementary

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



45.1354, 0.4124, 0.4026



32.0794, 0.2305, 0.2397

# 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.



45.1354, 0.2489, 0.2410



45.1354, 0.4124, 0.4026



45.1354, 0.2128, 0.2800

# Square

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



45.1354, 0.4124, 0.4026



45.1354, 0.2677, 0.3864



45.1354, 0.2197, 0.2496



45.1354, 0.3540, 0.2798



# Rectangle

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



45.1354, 0.4124, 0.4026



45.1354, 0.3388, 0.4297



45.1354, 0.2197, 0.2496



45.1354, 0.2793, 0.2465

# Sweetspot

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



45.1376, 0.4124, 0.4026



87.7054, 0.3377, 0.3507



28.2473, 0.3902, 0.2729



18.4260, 0.3415, 0.3538



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.



45.1376, 0.4124, 0.4026



58.6383, 0.4383, 0.4155



65.0496, 0.3798, 0.4523



14.2751, 0.3277, 0.3423



17.7898, 0.5200, 0.4253



1.3225, 0.4992, 0.4418



# Inverse Universe

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



32.0794, 0.2305, 0.2397



38.0297, 0.2138, 0.2167



19.7277, 0.2227, 0.1732



13.5356, 0.2982, 0.3153



8.0292, 0.1712, 0.1364

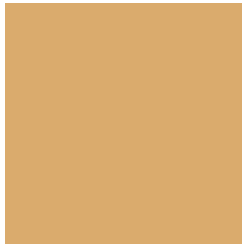


0.6892, 0.1801, 0.1683



# Previews

## White Background



This preview shows how the Yxy color 45.1354, 0.4124, 0.4026 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 45.1354, 0.4124, 0.4026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

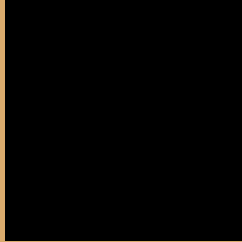
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.1354, 0.4124, 0.4026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1354, 0.4124, 0.4026.



This preview shows how white text looks on a background with the Yxy color 45.1354, 0.4124, 0.4026.

# 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

45.1354, 0.4124, 0.4026

### Protanopia

45.1458, 0.3843, 0.4150

### Deuteranopia

44.9817, 0.4115, 0.4029



## Tritanopia

45.1368, 0.3600, 0.3151

# Trichromacy



**Original Color**

45.1354, 0.4124, 0.4026

**Protanomaly**

45.0357, 0.3944, 0.4102

**Deuteranomaly**

44.9817, 0.4115, 0.4029

**Tritanomaly**

45.0364, 0.3803, 0.3471

# Monochromacy



**Original Color**

45.1354, 0.4124, 0.4026

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

44.2973, 0.3480, 0.3579

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1354, 0.4124, 0.4026 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(218, 171, 109)` looks like.

```
.text, #text, p{  
    color:rgb(218, 171, 109)  
}
```

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(218, 171, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 171, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1354, 0.4124, 0.4026 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(218, 171, 109) }
```

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

```
.border{ border-color:rgb(218, 171, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 171, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 171, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 171, 109);  
box-shadow:4px 4px 4px 4px rgb(218, 171,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1354, 0.4124, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 171, 109) }
```

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

```
.background{ background-color: rgb(218,  
171, 109) }
```

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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