

# Converting Colors

$Yxy(45.6607, 0.4222, 0.4301)$

Have a look what the booklet for  
Yxy(45.6607, 0.4222, 0.4301)  
contains.

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# **Color**

**Yxy(45.6607, 0.4222, 0.4301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6AF58
RGB	214, 175, 88
RGB Percent	84%, 69%, 35%
CMY	0.1608, 0.3137, 0.6550
CMYK	0.00, 0.18, 0.59, 0.16
HSL	41°, 61%, 59%
HSV	41°, 59%, 84%
XYZ	44.8220, 45.6607, 15.6803
YIQ	176.7430, 51.1710, -18.7890

# Conversions

## Conversions Part 2

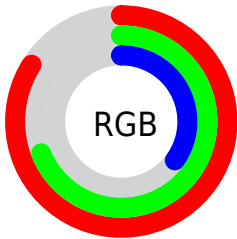
Format	Color
<a href="#">RYB</a>	<a href="#">144, 214, 88</a>
Decimal	<a href="#">14069592</a>
CIELab	<a href="#">73.32, 4.16, 49.18</a>
CIELCh	<a href="#">73, 49.352, 85.162</a>
Yxy	<a href="#">45.6607, 0.4222, 0.4301</a>
Android (android.graphics.Color)	<a href="#">4292259672</a> ( <a href="#">0xFFD6AF58</a> )
YUV	<a href="#">176.7430, -43.7503, 32.6744</a>
Hunter-Lab	<a href="#">67.5727, 0.1496, 33.5426</a>

# Details

The Yxy color **45.6607, 0.4222, 0.4301** 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 **22.1019, 0.2111, 0.1965**, and the grayscale version is **44.0387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7471, 0.3903, 0.4190**, and **21.3674, 0.4471, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **42.8440, 0.4417, 0.4421**, and if you desaturate by 10%, it is **48.7123, 0.4018, 0.4150**.

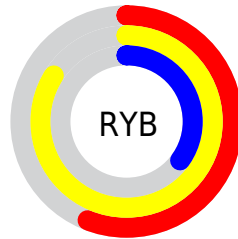
# Distribution



Red (84%)

Green (69%)

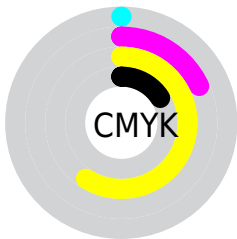
Blue (35%)



Red (56%)

Yellow (84%)

Blue (35%)

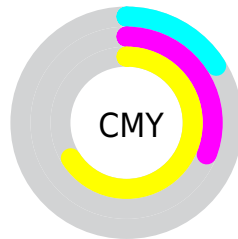


Cyan (0%)

Magenta (18%)

Yellow (59%)

Black (16%)



Cyan (16%)

Magenta (31%)


Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6607, 0.4222, 0.4301 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 45.6607, 0.4222, 0.4301 by changing the saturation by 10% instead.





 45.6607, 0.4222,  
0.4301

 45.6607, 0.4222,  
0.4301

369.4429, 0.3696,  
0.3826


 31.9782, 0.4339,  
0.4402


 83.7110, 0.4040,  
0.4140

 21.3448, 0.4477,  
0.4519


 108.8475, 0.3969,  
0.4076

 13.3763, 0.4640,  
0.4651


 138.5708, 0.3907,  
0.4020

 7.6882, 0.4837,  
0.4801

 173.2653, 0.3854,  
0.3971

 3.8961, 0.5055,  
0.4945

213.3153, 0.3807,  
0.3928

 1.6156, 0.5116,  
0.4884

259.1054, 0.3765,

 0.3681, 0.5509,

0.3891

0.4491

311.0197, 0.3729,  
0.3857

0.0000, 0.0000,  
0.0000

45.6607, 0.4222,  
0.4301

45.6607, 0.4222,  
0.4301

42.8440, 0.4417,  
0.4421

48.7123, 0.4018,  
0.4150

40.2443, 0.4594,  
0.4500

52.0021, 0.3815,  
0.3980

37.8510, 0.4744,  
0.4530

55.5417, 0.3619,  
0.3800

35.6447, 0.4864,  
0.4513

59.3393, 0.3435,  
0.3618

35.4073, 0.4877,  
0.4510

63.4030, 0.3265,  
0.3441

■ 67.7403, 0.3111,  
0.3272

■ 72.3583, 0.2971,  
0.3112

■ 76.9912, 0.2871,  
0.3006

■ 80.7041, 0.2874,  
0.3077

# Harmonies

## Analogous

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



45.6607, 0.4500, 0.3830



45.6607, 0.4222, 0.4301



45.6607, 0.3663, 0.4560

# Triad

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



45.6607, 0.4222, 0.4301



45.6607, 0.2018, 0.3073



45.6607, 0.3140, 0.2447

# Complementary

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



45.6607, 0.4222, 0.4301



22.1019, 0.2111, 0.1965

# 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.



45.6607, 0.2503, 0.2246



45.6607, 0.4222, 0.4301



45.6607, 0.1915, 0.2531

# Square

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



45.6607, 0.4222, 0.4301



45.6607, 0.2395, 0.3797



45.6607, 0.2081, 0.2262



45.6607, 0.3848, 0.2823



# Rectangle

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



45.6607, 0.4222, 0.4301



45.6607, 0.3218, 0.4506



45.6607, 0.2081, 0.2262



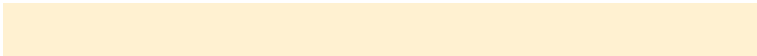
45.6607, 0.2910, 0.2358

# Sweetspot

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



45.6629, 0.4222, 0.4301



88.6592, 0.3423, 0.3606



22.8288, 0.4341, 0.2823



18.6110, 0.3475, 0.3659



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.



45.6629, 0.4222, 0.4301



62.5911, 0.4469, 0.4448



59.8590, 0.3769, 0.4773



13.8414, 0.3274, 0.3450



21.5946, 0.4864, 0.4520



1.4465, 0.4721, 0.4634



# Inverse Universe

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



22.1019, 0.2111, 0.1965



24.6313, 0.1906, 0.1628



15.2176, 0.2159, 0.1480



12.6293, 0.2982, 0.3124



5.4684, 0.1619, 0.1029



0.4755, 0.1717, 0.1379



# Previews

## White Background



This preview shows how the Yxy color 45.6607, 0.4222, 0.4301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

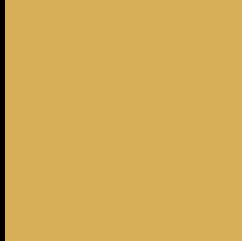
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6607, 0.4222, 0.4301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

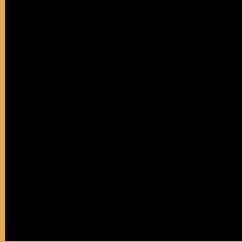
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6607, 0.4222, 0.4301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6607, 0.4222, 0.4301.



This preview shows how white text looks on a background with the Yxy color 45.6607, 0.4222, 0.4301.

# 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

45.6607, 0.4222, 0.4301

### Protanopia

45.5228, 0.4031, 0.4398

### Deuteranopia

45.7559, 0.4312, 0.4227



## Tritanopia

45.6542, 0.3548, 0.3138

# Trichromacy



## Original Color

45.6607, 0.4222, 0.4301

## Protanomaly

45.3994, 0.4099, 0.4366

## Deuteranomaly

45.6685, 0.4276, 0.4249

## Tritanomaly

45.4803, 0.3820, 0.3581

# Monochromacy



## Original Color

45.6607, 0.4222, 0.4301

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.0422, 0.3519, 0.3701

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6607, 0.4222, 0.4301 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(214, 175, 88)` looks like.

```
.text, #text, p{  
    color:rgb(214, 175, 88)  
}
```

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(214, 175, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 175, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6607, 0.4222, 0.4301 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(214, 175, 88) }
```

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

```
.border{ border-color:rgb(214, 175, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 175, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 175, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 175, 88);  
box-shadow:4px 4px 4px 4px rgb(214, 175,  
88) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6607, 0.4222, 0.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 175, 88) }
```

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

```
.background{ background-color: rgb(214,  
175, 88) }
```

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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