

# Converting Colors

Yxy(43.9350, 0.4502, 0.4609)

Have a look what the booklet for  
Yxy(43.9350, 0.4502, 0.4609)  
contains.

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# Color

**Yxy(43.9756, 0.4499, 0.4609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6AC2B
RGB	214, 172, 43
RGB Percent	84%, 67%, 17%
CMY	0.1607, 0.3255, 0.8314
CMYK	0.00, 0.20, 0.80, 0.16
HSL	45°, 68%, 50%
HSV	45°, 80%, 84%
XYZ	42.9261, 43.9756, 8.5108
YIQ	169.8520, 66.4410, -31.2150

# Conversions

## Conversions Part 2

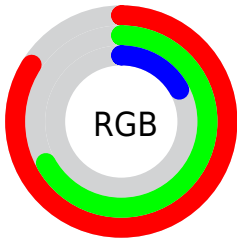
Format	Color
R <sub>Y</sub> B	99, 214, 43
Decimal	14068779
CIE Lab	72.21, 3.39, 66.58
CIE LCh	72, 66.663, 87.084
Yxy	43.9756, 0.4499, 0.4609
Android (android.graphics.Color)	4292258859 (0xFFD6AC2B)
YUV	169.8520, -62.5380, 38.7178
Hunter-Lab	66.3141, -0.5041, 38.8106

# Details

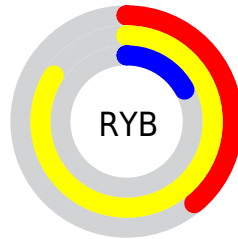
The Yxy color **43.9756, 0.4499, 0.4609** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **11.8722, 0.1756, 0.1272**, and the grayscale version is **40.4158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1183, 0.4145, 0.4501**, and **20.4015, 0.4651, 0.4689** is the 20% darker color. If you saturate the color by 10%, you get **41.8970, 0.4619, 0.4646**, and if you desaturate by 10%, it is **46.2201, 0.4351, 0.4524**.

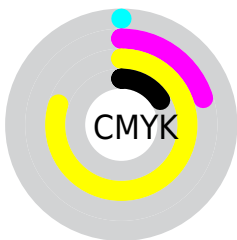
# Distribution



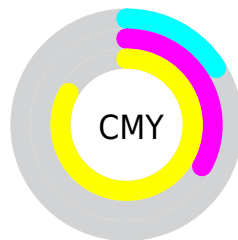
- Red (84%)
- Green (67%)
- Blue (17%)



- Red (39%)
- Yellow (84%)
- Blue (17%)



- Cyan (0%)
- Magenta (20%)
- Yellow (80%)
- Black (16%)



- Cyan (16%)
- Magenta (33%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9756, 0.4499, 0.4609 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 43.9756, 0.4499, 0.4609 by changing the saturation by 10% instead.





 43.9756, 0.4499,  
0.4609


 43.9756, 0.4499,  
0.4609

362.6087, 0.3873,  
0.4022


 30.6513, 0.4618,  
0.4715


 81.1810, 0.4296,  
0.4423


 20.3335, 0.4746,  
0.4825


 105.8310, 0.4212,  
0.4344

 12.6377, 0.4889,  
0.4941


 135.0249, 0.4138,  
0.4274


 7.1795, 0.4994,  
0.5006

 169.1473, 0.4072,  
0.4212

 3.5746, 0.5026,  
0.4974

 208.5824, 0.4014,  
0.4156

 1.4386, 0.5079,  
0.4921

 253.7148, 0.3962,

 0.2449, 0.5630,

0.4107

0.4370

304.9288, 0.3915,  
0.4062

■ 0.0000, 0.0000,  
0.0000

■ 43.9756, 0.4499,  
0.4609

■ 43.9756, 0.4499,  
0.4609

■ 41.8970, 0.4619,  
0.4646

■ 46.2201, 0.4351,  
0.4524

■ 39.9567, 0.4712,  
0.4640

■ 48.6362, 0.4181,  
0.4398

■ 39.9394, 0.4712,  
0.4640

■ 51.2365, 0.3999,  
0.4238

■ 54.0303, 0.3811,  
0.4057

■ 57.0259, 0.3626,  
0.3864

■ 60.2309, 0.3448,  
0.3668

■ 63.6527, 0.3280,  
0.3474

■ 67.2978, 0.3126,  
0.3288

■ 71.1726, 0.2985,  
0.3113

# Harmonies

## Analogous

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



43.9756, 0.4948, 0.3962



43.9756, 0.4499, 0.4609



43.9756, 0.3726, 0.5032

# Triad

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



43.9756, 0.4499, 0.4609



43.9756, 0.1655, 0.2898



43.9756, 0.3187, 0.2221

# Complementary

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



43.9756, 0.4499, 0.4609



11.8722, 0.1756, 0.1272

# 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.



43.9756, 0.2336, 0.1952



43.9756, 0.4499, 0.4609



43.9756, 0.1567, 0.2227

# Square

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



43.9756, 0.4499, 0.4609



43.9756, 0.2091, 0.3920



43.9756, 0.1793, 0.1938



43.9756, 0.4162, 0.2699



# Rectangle

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



43.9756, 0.4499, 0.4609



43.9756, 0.3138, 0.4987



43.9756, 0.1793, 0.1938



43.9756, 0.2875, 0.2106

# Sweetspot

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



43.9777, 0.4499, 0.4609



87.4422, 0.3523, 0.3753



16.6960, 0.5279, 0.2911



18.3520, 0.3588, 0.3823



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.



43.9777, 0.4499, 0.4609



60.2395, 0.4685, 0.4643



56.9696, 0.3779, 0.5207



13.9788, 0.3272, 0.3465



24.3051, 0.4703, 0.4648



1.5921, 0.4597, 0.4732



# Inverse Universe

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



11.8722, 0.1756, 0.1272



11.7117, 0.1594, 0.0916



8.5512, 0.1874, 0.0953



12.4995, 0.2982, 0.3109



4.5897, 0.1580, 0.0888



0.4085, 0.1674, 0.1225



# Previews

## White Background



This preview shows how the Yxy color 43.9756, 0.4499, 0.4609 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 43.9756, 0.4499, 0.4609 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 43.9756, 0.4499, 0.4609**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.9756, 0.4499, 0.4609.



This preview shows how white text looks on a background with the Yxy color 43.9756, 0.4499, 0.4609.

# 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

43.9756, 0.4499, 0.4609

### Protanopia

44.1648, 0.4298, 0.4754

### Deuteranopia

43.8827, 0.4612, 0.4507



## Tritanopia

43.8467, 0.3617, 0.3138

# Trichromacy



## Original Color

43.9756, 0.4499, 0.4609

## Protanomaly

44.0699, 0.4364, 0.4704

## Deuteranomaly

43.7734, 0.4579, 0.4539

## Tritanomaly

43.2729, 0.4032, 0.3748

# Monochromacy



## Original Color

43.9756, 0.4499, 0.4609

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

41.0202, 0.3682, 0.3928

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9756, 0.4499, 0.4609 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, 172, 43)` looks like.

```
.text, #text, p{  
    color:rgb(214, 172, 43)  
}
```

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, 172, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 172, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9756, 0.4499, 0.4609 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, 172, 43) }
```

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

```
.border{ border-color:rgb(214, 172, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 172, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 172, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 172, 43);  
box-shadow:4px 4px 4px 4px rgb(214, 172,  
43) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9756, 0.4499, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 172, 43) }
```

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

```
.background{ background-color: rgb(214,  
172, 43) }
```

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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