

# Converting Colors

$Yxy(41.6462, 0.3842, 0.3516)$

Have a look what the booklet for  
Yxy(41.6462, 0.3842, 0.3516)  
contains.

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# Color

**Yxy(41.5417, 0.3846, 0.3514)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7A08E
RGB	215, 160, 142
RGB Percent	84%, 63%, 56%
CMY	0.1571, 0.3724, 0.4432
CMYK	0.00, 0.26, 0.34, 0.16
HSL	15°, 48%, 70%
HSV	15°, 34%, 84%
XYZ	45.4665, 41.5417, 31.2095
YIQ	174.3930, 38.5580, 6.0620

# Conversions

## Conversions Part 2

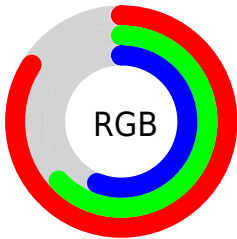
Format	Color
R <sub>Y</sub> B	215, 166, 142
Decimal	14131342
CIE Lab	70.55, 17.96, 17.36
CIE LCh	71, 24.983, 44.026
Yxy	41.5417, 0.3846, 0.3514
Android (android.graphics.Color)	4292321422 (0xFFD7A08E)
YUV	174.3930, -15.9697, 35.6123
Hunter-Lab	64.4529, 13.1255, 16.4075

# Details

The Yxy color **41.5417, 0.3846, 0.3514** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.5483, 0.2618, 0.3052**, and the grayscale version is **42.6087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8464, 0.3564, 0.3486**, and **18.8688, 0.4067, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **35.7078, 0.4149, 0.3581**, and if you desaturate by 10%, it is **48.2343, 0.3588, 0.3445**.

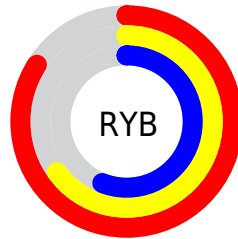
# Distribution



Red (84%)

Green (63%)

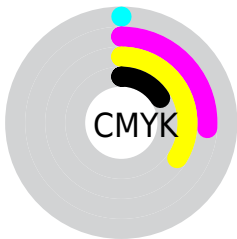
Blue (56%)



Red (84%)

Yellow (65%)

Blue (56%)

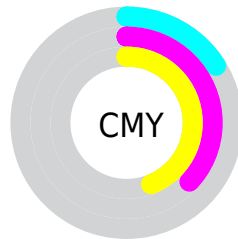


Cyan (0%)

Magenta (26%)

Yellow (34%)

Black (16%)



Cyan (16%)

Magenta (37%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5417, 0.3846, 0.3514 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 41.5417, 0.3846, 0.3514 by changing the saturation by 10% instead.





 41.5417, 0.3846,  
0.3514

 41.5417, 0.3846,  
0.3514


352.5796, 0.3476,  
0.3410

 28.7426, 0.3941,  
0.3537


 77.5055, 0.3710,  
0.3479

 18.8862, 0.4064,  
0.3564


 101.4391, 0.3659,  
0.3465

 11.5881, 0.4230,  
0.3596


 129.8528, 0.3616,  
0.3452

 6.4638, 0.4465,  
0.3632

163.1313, 0.3580,  
0.3442

 3.1291, 0.4817,  
0.3666

201.6588, 0.3549,  
0.3433

 1.1995, 0.5840,  
0.3968

245.8197, 0.3522,

 0.0613, 0.8901,

0.3424

0.1099

295.9985, 0.3498,  
0.3417

0.0000, 0.0000,  
0.0000

41.5417, 0.3846,  
0.3514

41.5417, 0.3846,  
0.3514

35.7078, 0.4149,  
0.3581

48.2343, 0.3588,  
0.3445

30.6916, 0.4497,  
0.3638

55.8129, 0.3371,  
0.3378

26.4573, 0.4880,  
0.3678

64.3105, 0.3190,  
0.3314

22.9642, 0.5276,  
0.3689

73.7571, 0.3039,  
0.3255

20.1675, 0.5648,  
0.3661

84.1809, 0.2913,  
0.3201

■ 18.0170, 0.5952,  
0.3592

■ 93.1798, 0.2888,  
0.3289

■ 16.9984, 0.6099,  
0.3539

# Harmonies

## Analogous

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



41.5417, 0.3692, 0.3216



41.5417, 0.3846, 0.3514



41.5417, 0.3793, 0.3778

# Triad

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



41.5417, 0.3846, 0.3514



41.5417, 0.2858, 0.3672



41.5417, 0.2690, 0.2697

# Complementary

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



41.5417, 0.3846, 0.3514



50.5483, 0.2618, 0.3052

# 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.



41.5417, 0.2495, 0.2776



41.5417, 0.3846, 0.3514



41.5417, 0.2587, 0.3329

# Square

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



41.5417, 0.3846, 0.3514



41.5417, 0.3212, 0.3899



41.5417, 0.2458, 0.2999



41.5417, 0.3009, 0.2762



# Rectangle

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



41.5417, 0.3846, 0.3514



41.5417, 0.3651, 0.3896



41.5417, 0.2458, 0.2999



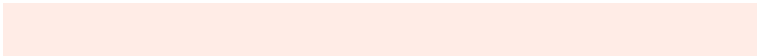
41.5417, 0.2609, 0.2707

# Sweetspot

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



41.5437, 0.3846, 0.3514



86.8230, 0.3297, 0.3353



37.8572, 0.3327, 0.2631



18.2115, 0.3324, 0.3362



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.



41.5437, 0.3846, 0.3514



54.6429, 0.4068, 0.3564



55.6453, 0.3706, 0.3926



12.9145, 0.3285, 0.3348



10.3137, 0.6074, 0.3559



0.7541, 0.5730, 0.3832



# Inverse Universe

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



50.5483, 0.2618, 0.3052



69.8714, 0.2516, 0.2991



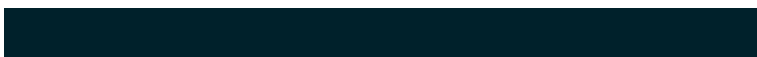
36.3004, 0.2554, 0.2558



13.5636, 0.2982, 0.3231



18.5341, 0.2021, 0.2474



1.2445, 0.2064, 0.2632



# Previews

## White Background



This preview shows how the Yxy color 41.5417, 0.3846, 0.3514 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 41.5417, 0.3846, 0.3514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

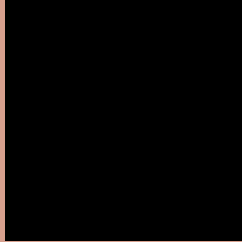
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.5417, 0.3846, 0.3514**

## Background



This preview shows how black text looks on a background with the Yxy color 41.5417, 0.3846, 0.3514.



This preview shows how white text looks on a background with the Yxy color 41.5417, 0.3846, 0.3514.

# 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

41.5417, 0.3846, 0.3514

### Protanopia

41.5882, 0.3427, 0.3618

### Deuteranopia

41.6130, 0.3694, 0.3614



## Tritanopia

41.5095, 0.3629, 0.3147

# Trichromacy



## Original Color

41.5417, 0.3846, 0.3514

## Protanomaly

41.5499, 0.3572, 0.3581

## Deuteranomaly

41.5958, 0.3751, 0.3584

## Tritanomaly

41.3689, 0.3707, 0.3267

# Monochromacy



## Original Color

41.5417, 0.3846, 0.3514

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.8034, 0.3375, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.5417, 0.3846, 0.3514 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(215, 160, 142)` looks like.

```
.text, #text, p{  
    color:rgb(215, 160, 142)  
}
```

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(215, 160, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 160, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 41.5417, 0.3846, 0.3514 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(215, 160, 142) }
```

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

```
.border{ border-color:rgb(215, 160, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 160, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 160, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 160, 142);  
box-shadow:4px 4px 4px 4px rgb(215, 160,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.5417, 0.3846, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 160, 142) }
```

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

```
.background{ background-color: rgb(215,  
160, 142) }
```

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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