

# Converting Colors

$Yxy(45.6271, 0.3669, 0.3413)$

Have a look what the booklet for  
Yxy(45.6271, 0.3669, 0.3413)  
contains.

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# Color

**Yxy(45.6309, 0.3669, 0.3413)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9A99F
RGB	217, 169, 159
RGB Percent	85%, 66%, 62%
CMY	0.1491, 0.3372, 0.3766
CMYK	0.00, 0.22, 0.27, 0.15
HSL	10°, 43%, 74%
HSV	10°, 27%, 85%
XYZ	49.0536, 45.6309, 39.0129
YIQ	182.2120, 31.8180, 7.0660

# Conversions

## Conversions Part 2

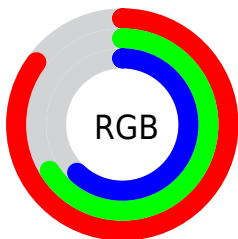
Format	Color
R <sub>Y</sub> B	217, 171, 159
Decimal	14264735
CIE Lab	73.31, 16.13, 11.92
CIE LCh	73, 20.056, 36.476
Yxy	45.6309, 0.3669, 0.3413
Android (android.graphics.Color)	4292454815 (0xFFD9A99F)
YUV	182.2120, -11.4435, 30.5091
Hunter-Lab	67.5506, 11.4085, 13.0434

# Details

The Yxy color **45.6309, 0.3669, 0.3413** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **56.9698, 0.2727, 0.3163**, and the grayscale version is **46.9508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4263, 0.3417, 0.3392**, and **21.3824, 0.3820, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **38.7202, 0.3953, 0.3462**, and if you desaturate by 10%, it is **53.5941, 0.3433, 0.3365**.

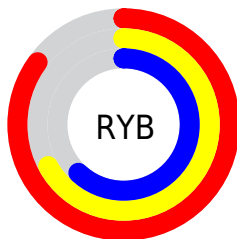
# Distribution



Red (85%)

Green (66%)

Blue (62%)



Red (85%)

Yellow (67%)

Blue (62%)

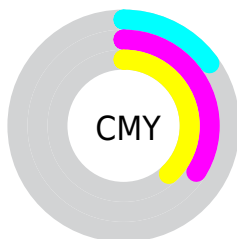


Cyan (0%)

Magenta (22%)

Yellow (27%)

Black (15%)



Cyan (15%)

Magenta (34%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6309, 0.3669, 0.3413 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 45.6309, 0.3669, 0.3413 by changing the saturation by 10% instead.




 45.6309, 0.3669,  
0.3413


 45.6309, 0.3669,  
0.3413


369.3228, 0.3395,  
0.3357

 31.9547, 0.3738,  
0.3425


 83.6663, 0.3569,  
0.3394

 21.3269, 0.3828,  
0.3440


 108.7943, 0.3531,  
0.3386

 13.3631, 0.3948,  
0.3457


138.5083, 0.3499,  
0.3380

 7.6791, 0.4116,  
0.3478

173.1928, 0.3472,  
0.3374

 3.8903, 0.4369,  
0.3499

213.2321, 0.3449,  
0.3369

 1.6124, 0.4798,  
0.3520

259.0105, 0.3429,

 0.3659, 0.6696,

0.3365

0.3304

310.9126, 0.3411,  
0.3361

0.0000, 0.0000,  
0.0000

45.6309, 0.3669,  
0.3413

45.6309, 0.3669,  
0.3413

38.7202, 0.3953,  
0.3462

53.5941, 0.3433,  
0.3365

32.8115, 0.4290,  
0.3507

62.6447, 0.3238,  
0.3319

27.8600, 0.4677,  
0.3543

72.8239, 0.3078,  
0.3276

23.8146, 0.5097,  
0.3562

84.1689, 0.2946,  
0.3238

20.6196, 0.5520,  
0.3555

93.4875, 0.2900,  
0.3289

■ 18.2128, 0.5893,  
0.3517

■ 16.5225, 0.6166,  
0.3450

■ 16.1060, 0.6237,  
0.3430

# Harmonies

## Analogous

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



45.6309, 0.3514, 0.3177



45.6309, 0.3669, 0.3413



45.6309, 0.3670, 0.3630

# Triad

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



45.6309, 0.3669, 0.3413



45.6309, 0.2986, 0.3639



45.6309, 0.2736, 0.2828

# Complementary

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



45.6309, 0.3669, 0.3413



56.9698, 0.2727, 0.3163

# 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.



45.6309, 0.2610, 0.2924



45.6309, 0.3669, 0.3413



45.6309, 0.2749, 0.3392

# Square

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



45.6309, 0.3669, 0.3413



45.6309, 0.3268, 0.3779



45.6309, 0.2614, 0.3127



45.6309, 0.2968, 0.2849



# Rectangle

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



45.6309, 0.3669, 0.3413



45.6309, 0.3585, 0.3736



45.6309, 0.2614, 0.3127



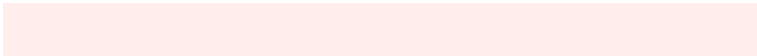
45.6309, 0.2680, 0.2847

# Sweetspot

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



45.6330, 0.3669, 0.3413



88.4609, 0.3262, 0.3325



44.0565, 0.3242, 0.2731



18.4952, 0.3290, 0.3332



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.



45.6330, 0.3669, 0.3413



60.0575, 0.3821, 0.3440



57.4743, 0.3583, 0.3746



13.4141, 0.3287, 0.3331



9.8595, 0.6217, 0.3446



0.7510, 0.5922, 0.3680



# Inverse Universe

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



56.9698, 0.2727, 0.3163



78.9851, 0.2649, 0.3133



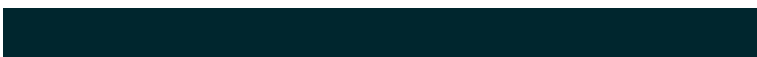
44.3414, 0.2690, 0.2788



14.4259, 0.2982, 0.3249



22.7917, 0.2092, 0.2731



1.5797, 0.2120, 0.2831



# Previews

## White Background



This preview shows how the Yxy color 45.6309, 0.3669, 0.3413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

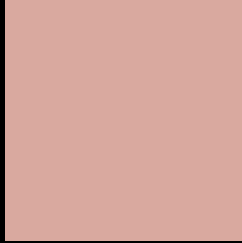
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6309, 0.3669, 0.3413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

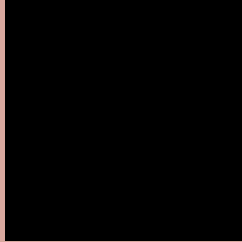
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6309, 0.3669, 0.3413**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6309, 0.3669, 0.3413.



This preview shows how white text looks on a background with the Yxy color 45.6309, 0.3669, 0.3413.

# 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

45.6309, 0.3669, 0.3413

### Protanopia

45.9239, 0.3311, 0.3487

### Deuteranopia

45.8625, 0.3560, 0.3491



## Tritanopia

45.5872, 0.3508, 0.3137

# Trichromacy



## Original Color

45.6309, 0.3669, 0.3413

## Protanomaly

45.7008, 0.3436, 0.3457

## Deuteranomaly

45.6753, 0.3603, 0.3465

## Tritanomaly

45.5214, 0.3562, 0.3231

# Monochromacy



## Original Color

45.6309, 0.3669, 0.3413

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.1024, 0.3312, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6309, 0.3669, 0.3413 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(217, 169, 159)` looks like.

```
.text, #text, p{  
    color:rgb(217, 169, 159)  
}
```

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(217, 169, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 169, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6309, 0.3669, 0.3413 is called "border". The border property can be set on classes, ids or directly on the HTML element.

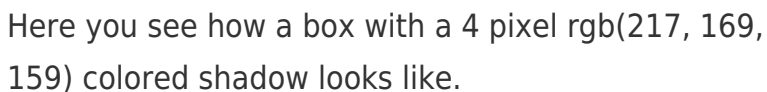
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 169, 159) }
```

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

```
.border{ border-color:rgb(217, 169, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 169, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 169, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 169, 159); box-shadow:4px 4px 4px 4px rgb(217, 169, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6309, 0.3669, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 169, 159) }
```

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

```
.background{ background-color: rgb(217,  
169, 159) }
```

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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