

# Converting Colors

$Yxy(46.2674, 0.3753, 0.3468)$

Have a look what the booklet for  
Yxy(46.2674, 0.3753, 0.3468)  
contains.

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# Color

**Yxy(46.0812, 0.3754, 0.3471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDA99A
RGB	221, 169, 154
RGB Percent	87%, 66%, 60%
CMY	0.1334, 0.3372, 0.3961
CMYK	0.00, 0.24, 0.30, 0.13
HSL	13°, 50%, 74%
HSV	13°, 30%, 87%
XYZ	49.8383, 46.0812, 36.8411
YIQ	182.8380, 35.8070, 6.3590

# Conversions

## Conversions Part 2

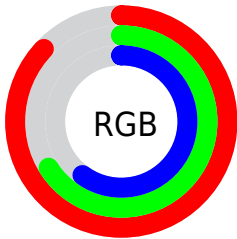
Format	Color
<a href="#">RYB</a>	<a href="#">221, 173, 154</a>
Decimal	<a href="#">14526874</a>
CIELab	<a href="#">73.60, 16.99, 15.11</a>
CIELCh	<a href="#">74, 22.742, 41.652</a>
Yxy	<a href="#">46.0812, 0.3754, 0.3471</a>
Android (android.graphics.Color)	<a href="#">4292716954 (0xFFDDA99A)</a>
YUV	<a href="#">182.8380, -14.2171, 33.4681</a>
Hunter-Lab	<a href="#">67.8831, 12.2553, 15.3407</a>

# Details

The Yxy color **46.0812, 0.3754, 0.3471** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **56.2287, 0.2671, 0.3100**, and the grayscale version is **47.3263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1254, 0.3459, 0.3453**, and **21.7012, 0.3938, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **39.4450, 0.4046, 0.3533**, and if you desaturate by 10%, it is **53.6943, 0.3508, 0.3409**.

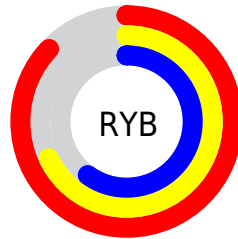
# Distribution



Red (87%)

Green (66%)

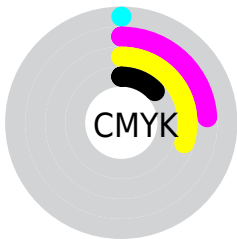
Blue (60%)



Red (87%)

Yellow (68%)

Blue (60%)

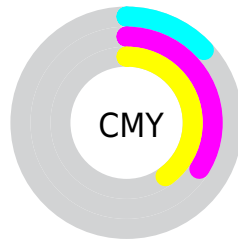


Cyan (0%)

Magenta (24%)

Yellow (30%)

Black (13%)



Cyan (13%)

Magenta (34%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0812, 0.3754, 0.3471 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 46.0812, 0.3754, 0.3471 by changing the saturation by 10% instead.





 46.0812, 0.3754,  
0.3471

 46.0812, 0.3754,  
0.3471


371.1350, 0.3437,  
0.3388

 32.3099, 0.3834,  
0.3489


 84.3405, 0.3638,  
0.3443

 21.5983, 0.3937,  
0.3511


 109.5973, 0.3595,  
0.3432

 13.5620, 0.4074,  
0.3537


139.4514, 0.3558,  
0.3422

 7.8167, 0.4265,  
0.3567

174.2872, 0.3527,  
0.3413

 3.9779, 0.4549,  
0.3600

214.4890, 0.3500,  
0.3406

 1.6612, 0.5059,  
0.3658

260.4414, 0.3476,

 0.3983, 0.6658,

0.3399

0.3342

312.5285, 0.3456,  
0.3393

0.0000, 0.0000,  
0.0000

46.0812, 0.3754,  
0.3471

46.0812, 0.3754,  
0.3471

39.4450, 0.4046,  
0.3533

53.6943, 0.3508,  
0.3409

33.7394, 0.4387,  
0.3589

62.3152, 0.3302,  
0.3348

28.9240, 0.4769,  
0.3631

71.9815, 0.3132,  
0.3292

24.9528, 0.5175,  
0.3649

82.7270, 0.2991,  
0.3240

21.7755, 0.5569,  
0.3634

93.9565, 0.2923,  
0.3287

■ 19.3360, 0.5906,  
0.3579

■ 94.1112, 0.2923,  
0.3289

■ 17.6095, 0.6149,  
0.3500

# Harmonies

## Analogous

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



46.0812, 0.3605, 0.3206



46.0812, 0.3754, 0.3471



46.0812, 0.3723, 0.3707

# Triad

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



46.0812, 0.3754, 0.3471



46.0812, 0.2915, 0.3644



46.0812, 0.2724, 0.2766

# Complementary

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



46.0812, 0.3754, 0.3471



56.2287, 0.2671, 0.3100

# 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.



46.0812, 0.2560, 0.2849



46.0812, 0.3754, 0.3471



46.0812, 0.2665, 0.3351

# Square

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



46.0812, 0.3754, 0.3471



46.0812, 0.3230, 0.3830



46.0812, 0.2539, 0.3057



46.0812, 0.2999, 0.2812



# Rectangle

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



46.0812, 0.3754, 0.3471



46.0812, 0.3608, 0.3815



46.0812, 0.2539, 0.3057



46.0812, 0.2654, 0.2779

# Sweetspot

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



46.0834, 0.3754, 0.3471



87.7675, 0.3279, 0.3341



42.9635, 0.3291, 0.2689



18.3868, 0.3307, 0.3350



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.



46.0834, 0.3754, 0.3471



58.0929, 0.3923, 0.3508



59.9519, 0.3642, 0.3846



13.5222, 0.3286, 0.3343



10.3702, 0.6124, 0.3520



0.8017, 0.5806, 0.3772



# Inverse Universe

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



56.2287, 0.2671, 0.3100



74.1241, 0.2588, 0.3057



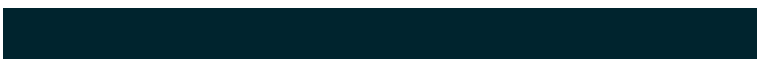
41.9720, 0.2621, 0.2663



14.3091, 0.2982, 0.3236



20.2392, 0.2043, 0.2555

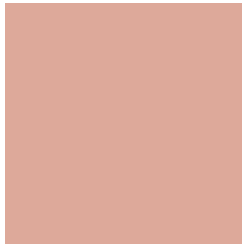


1.4353, 0.2080, 0.2688



# Previews

## White Background



This preview shows how the Yxy color 46.0812, 0.3754, 0.3471 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

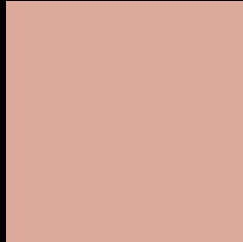
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0812, 0.3754, 0.3471 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

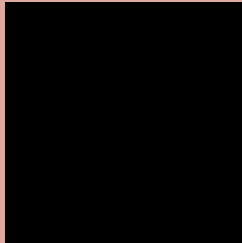
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.0812, 0.3754, 0.3471**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.0812, 0.3754, 0.3471.



This preview shows how white text looks on a background with the Yxy color 46.0812, 0.3754, 0.3471.

# 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

46.0812, 0.3754, 0.3471

### Protanopia

46.4046, 0.3369, 0.3565

### Deuteranopia

46.1273, 0.3633, 0.3552



## Tritanopia

45.9719, 0.3567, 0.3139

# Trichromacy



## Original Color

46.0812, 0.3754, 0.3471

## Protanomaly

46.3304, 0.3505, 0.3532

## Deuteranomaly

45.9511, 0.3677, 0.3525

## Tritanomaly

45.8250, 0.3640, 0.3256

# Monochromacy



## Original Color

46.0812, 0.3754, 0.3471

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.6897, 0.3345, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0812, 0.3754, 0.3471 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(221, 169, 154)` looks like.

```
.text, #text, p{  
    color:rgb(221, 169, 154)  
}
```

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(221, 169, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 169, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0812, 0.3754, 0.3471 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(221, 169, 154) }
```

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

```
.border{ border-color:rgb(221, 169, 154) }
```

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

Here you see how a box with a 4 pixel rgb(221, 169, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 169, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 169, 154);  
box-shadow:4px 4px 4px 4px rgb(221, 169,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0812, 0.3754, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 169, 154) }
```

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

```
.background{ background-color: rgb(221,  
169, 154) }
```

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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