

# Converting Colors

$Y_{xy}(46.0066, 0.3592, 0.3373)$

Have a look what the booklet for  
Yxy(46.0066, 0.3592, 0.3373)  
contains.

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# Color

**Yxy(46.1023, 0.3588, 0.3377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6ABA4
RGB	214, 171, 164
RGB Percent	84%, 67%, 64%
CMY	0.1610, 0.3293, 0.3569
CMYK	0.00, 0.20, 0.23, 0.16
HSL	8°, 38%, 74%
HSV	8°, 23%, 84%
XYZ	48.9828, 46.1023, 41.4334
YIQ	183.0590, 27.8750, 6.9390

# Conversions

## Conversions Part 2

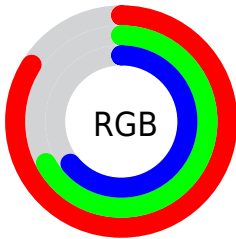
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 172, 164
Decimal	14068644
CIE Lab	73.61, 14.61, 9.57
CIE LCh	74, 17.470, 33.227
Yxy	46.1023, 0.3588, 0.3377
Android (android.graphics.Color)	4292258724 (0xFFD6ABA4)
YUV	183.0590, -9.3961, 27.1353
Hunter-Lab	67.8987, 9.9492, 11.3489

# Details

The Yxy color **46.1023, 0.3588, 0.3377** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **57.3251, 0.2777, 0.3201**, and the grayscale version is **47.4278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7672, 0.3380, 0.3361**, and **21.7344, 0.3732, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **38.9262, 0.3860, 0.3417**, and if you desaturate by 10%, it is **54.3783, 0.3364, 0.3338**.

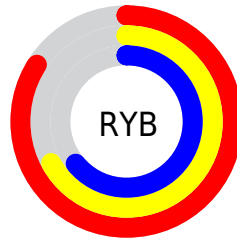
# Distribution



Red (84%)

Green (67%)

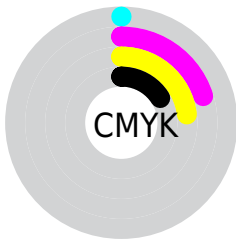
Blue (64%)



Red (84%)

Yellow (67%)

Blue (64%)

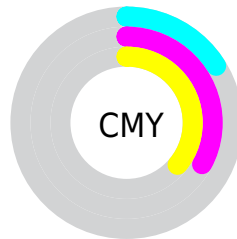


Cyan (0%)

Magenta (20%)

Yellow (23%)

Black (16%)



Cyan (16%)

Magenta (33%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1023, 0.3588, 0.3377 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 46.1023, 0.3588, 0.3377 by changing the saturation by 10% instead.





 46.1023, 0.3588,  
0.3377

 46.1023, 0.3588,  
0.3377


371.2198, 0.3355,  
0.3337

 32.3266, 0.3647,  
0.3386


 84.3721, 0.3503,  
0.3364

 21.6110, 0.3723,  
0.3396


 109.6349, 0.3471,  
0.3358

 13.5714, 0.3824,  
0.3408


139.4955, 0.3444,  
0.3354

 7.8232, 0.3967,  
0.3423

174.3384, 0.3421,  
0.3350

 3.9820, 0.4181,  
0.3439

214.5478, 0.3401,  
0.3346

 1.6635, 0.4537,  
0.3449

260.5083, 0.3384,

 0.3999, 0.6482,

0.3343

0.3518

312.6041, 0.3369,  
0.3340

0.0000, 0.0000,  
0.0000

46.1023, 0.3588,  
0.3377

46.1023, 0.3588,  
0.3377

38.9262, 0.3860,  
0.3417

54.3783, 0.3364,  
0.3338

32.7976, 0.4186,  
0.3455

63.7911, 0.3181,  
0.3302

27.6691, 0.4567,  
0.3487

74.3840, 0.3031,  
0.3268

23.4873, 0.4991,  
0.3507

86.1959, 0.2908,  
0.3237

20.1938, 0.5429,  
0.3507

93.0281, 0.2883,  
0.3289

■ 17.7235, 0.5831,  
0.3482

■ 16.0024, 0.6140,  
0.3431

■ 15.2239, 0.6283,  
0.3394

# Harmonies

## Analogous

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



46.1023, 0.3441, 0.3171



46.1023, 0.3588, 0.3377



46.1023, 0.3605, 0.3570

# Triad

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



46.1023, 0.3588, 0.3377



46.1023, 0.3031, 0.3609



46.1023, 0.2769, 0.2891

# Complementary

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



46.1023, 0.3588, 0.3377



57.3251, 0.2777, 0.3201

# 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.



46.1023, 0.2670, 0.2988



46.1023, 0.3588, 0.3377



46.1023, 0.2817, 0.3405

# Square

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



46.1023, 0.3588, 0.3377



46.1023, 0.3277, 0.3718



46.1023, 0.2687, 0.3174



46.1023, 0.2964, 0.2898



# Rectangle

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



46.1023, 0.3588, 0.3377



46.1023, 0.3541, 0.3666



46.1023, 0.2687, 0.3174



46.1023, 0.2724, 0.2912

# Sweetspot

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



46.1044, 0.3588, 0.3377



89.5062, 0.3245, 0.3315



45.3543, 0.3211, 0.2785



18.9731, 0.3256, 0.3317



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.



46.1044, 0.3588, 0.3377



63.1360, 0.3716, 0.3397



56.2808, 0.3523, 0.3667



12.7002, 0.3288, 0.3324



9.2973, 0.6264, 0.3408



0.6538, 0.5983, 0.3631



# Inverse Universe

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



57.3251, 0.2777, 0.3201



82.6300, 0.2708, 0.3180



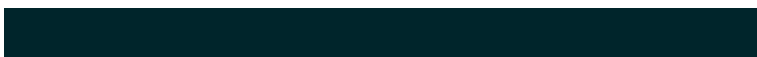
46.3256, 0.2751, 0.2882



13.7956, 0.2983, 0.3256



23.7336, 0.2122, 0.2840



1.5153, 0.2146, 0.2925



# Previews

## White Background



This preview shows how the Yxy color 46.1023, 0.3588, 0.3377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

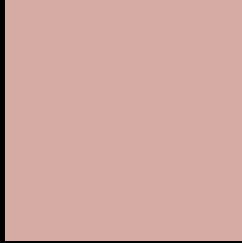
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.1023, 0.3588, 0.3377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

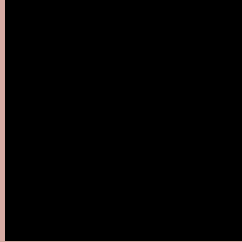
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.1023, 0.3588, 0.3377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.1023, 0.3588, 0.3377.



This preview shows how white text looks on a background with the Yxy color 46.1023, 0.3588, 0.3377.

# 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

46.1023, 0.3588, 0.3377

### Protanopia

46.0719, 0.3278, 0.3434

### Deuteranopia

46.2834, 0.3503, 0.3441



## Tritanopia

45.9404, 0.3458, 0.3136

# Trichromacy



## Original Color

46.1023, 0.3588, 0.3377

## Protanomaly

46.1046, 0.3390, 0.3418

## Deuteranomaly

46.3263, 0.3534, 0.3428

## Tritanomaly

45.9182, 0.3501, 0.3219

# Monochromacy



## Original Color

46.1023, 0.3588, 0.3377

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.8441, 0.3283, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1023, 0.3588, 0.3377 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, 171, 164)` looks like.

```
.text, #text, p{  
    color:rgb(214, 171, 164)  
}
```

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, 171, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 171, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1023, 0.3588, 0.3377 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, 171, 164) }
```

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

```
.border{ border-color:rgb(214, 171, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 171, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 171, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 171, 164);  
box-shadow:4px 4px 4px 4px rgb(214, 171,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1023, 0.3588, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 171, 164) }
```

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

```
.background{ background-color: rgb(214,  
171, 164) }
```

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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