

# Converting Colors

$Yxy(43.0008, 0.3282, 0.3317)$

Have a look what the booklet for  
Yxy(43.0008, 0.3282, 0.3317)  
contains.

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# Color

**Yxy(42.9721, 0.3281, 0.3317)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BBACAA
RGB	187, 172, 170
RGB Percent	73%, 67%, 67%
CMY	0.2665, 0.3255, 0.3334
CMYK	0.00, 0.08, 0.09, 0.27
HSL	7°, 11%, 70%
HSV	7°, 9%, 73%
XYZ	42.5057, 42.9721, 44.0733
YIQ	176.2570, 9.5820, 2.5580

# Conversions

## Conversions Part 2

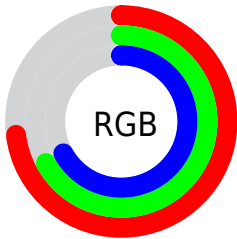
Format	Color
<a href="#">RYB</a>	<a href="#">187, 172, 170</a>
Decimal	<a href="#">12299434</a>
CIELab	<a href="#">71.54, 5.05, 2.98</a>
CIELCh	<a href="#">72, 5.863, 30.534</a>
Yxy	<a href="#">42.9721, 0.3281, 0.3317</a>
Android (android.graphics.Color)	<a href="#">4290489514</a> ( <a href="#">0xFFBBACAA</a> )
YUV	<a href="#">176.2570, -3.0847, 9.4216</a>
Hunter-Lab	<a href="#">65.5531, 1.0244, 6.0248</a>

# Details

The Yxy color  $42.9721, 0.3281, 0.3317$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $46.8370, 0.2988, 0.3263$ , and the grayscale version is  $43.5719, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.4291, 0.3252, 0.3311$ , and  $19.8093, 0.3328, 0.3327$  is the 20% darker color. If you saturate the color by 10%, you get  $36.4236, 0.3486, 0.3349$ , and if you desaturate by 10%, it is  $50.4040, 0.3114, 0.3288$ .

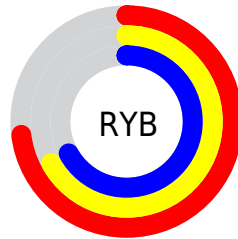
# Distribution



Red (73%)

Green (67%)

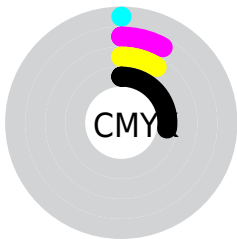
Blue (67%)



Red (73%)

Yellow (67%)

Blue (67%)

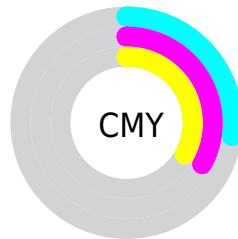


Cyan (0%)

Magenta (8%)

Yellow (9%)

Black (27%)



Cyan (27%)

Magenta (33%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9721, 0.3281, 0.3317 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 42.9721, 0.3281, 0.3317 by changing the saturation by 10% instead.




 42.9721, 0.3281,  
0.3317

 42.9721, 0.3281,  
0.3317


358.4970, 0.3203,  
0.3304

 29.8632, 0.3301,  
0.3320


 79.6688, 0.3252,  
0.3312

 19.7348, 0.3327,  
0.3324


104.0253, 0.3242,  
0.3310

 12.2024, 0.3362,  
0.3330


132.8999, 0.3233,  
0.3309

 6.8817, 0.3412,  
0.3337

166.6769, 0.3225,  
0.3308

 3.3882, 0.3489,  
0.3347

205.7407, 0.3218,  
0.3307

 1.3376, 0.3622,  
0.3363

250.4758, 0.3212,

 0.1700, 0.6262,

0.3306

0.3738

301.2664, 0.3207,  
0.3305

0.0000, 0.0000,  
0.0000

42.9721, 0.3281,  
0.3317

42.9721, 0.3281,  
0.3317

36.4236, 0.3486,  
0.3349

50.4040, 0.3114,  
0.3288

30.7201, 0.3736,  
0.3382

58.7446, 0.2977,  
0.3260

25.8290, 0.4040,  
0.3415

68.0251, 0.2865,  
0.3236

21.7132, 0.4399,  
0.3444

78.2737, 0.2772,  
0.3214

18.3327, 0.4810,  
0.3466

88.9579, 0.2736,  
0.3283

■ 15.6439, 0.5251,  
0.3474

■ 89.3089, 0.2737,  
0.3289

■ 13.5989, 0.5679,  
0.3462

■ 12.1430, 0.6038,  
0.3427

■ 11.2086, 0.6283,  
0.3381

# Harmonies

## Analogous

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



42.9721, 0.3229, 0.3243



42.9721, 0.3281, 0.3317



42.9721, 0.3291, 0.3385

# Triad

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



42.9721, 0.3281, 0.3317



42.9721, 0.3103, 0.3401



42.9721, 0.2998, 0.3153

# Complementary

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



42.9721, 0.3281, 0.3317



46.8370, 0.2988, 0.3263

# 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.



42.9721, 0.2966, 0.3193



42.9721, 0.3281, 0.3317



42.9721, 0.3026, 0.3337

# Square

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



42.9721, 0.3281, 0.3317



42.9721, 0.3188, 0.3435



42.9721, 0.2976, 0.3260



42.9721, 0.3065, 0.3150



# Rectangle

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



42.9721, 0.3281, 0.3317



42.9721, 0.3273, 0.3417



42.9721, 0.2976, 0.3260



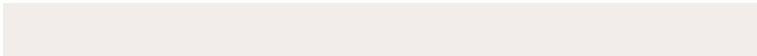
42.9721, 0.2983, 0.3162

# Sweetspot

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



42.9740, 0.3281, 0.3317



84.8188, 0.3175, 0.3299



42.8150, 0.3154, 0.3095



18.4396, 0.3189, 0.3301



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.9740, 0.3281, 0.3317



74.3941, 0.3320, 0.3323



46.3131, 0.3269, 0.3428



9.7133, 0.3285, 0.3318



7.7350, 0.6288, 0.3390



0.3637, 0.5953, 0.3655



# Inverse Universe

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



46.8370, 0.2988, 0.3263



82.7544, 0.2958, 0.3256



43.3863, 0.2988, 0.3149



10.6116, 0.2985, 0.3262



21.0523, 0.2144, 0.2917



0.8798, 0.2171, 0.3014



# Previews

## White Background



This preview shows how the Yxy color 42.9721, 0.3281, 0.3317 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 42.9721, 0.3281, 0.3317 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

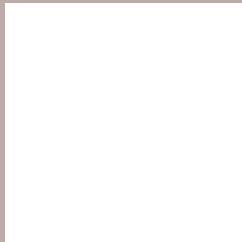
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.9721, 0.3281, 0.3317**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.9721, 0.3281, 0.3317.



This preview shows how white text looks on a background with the Yxy color 42.9721, 0.3281, 0.3317.

# 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

42.9721, 0.3281, 0.3317

### Protanopia

42.7961, 0.3197, 0.3331

### Deuteranopia

42.7475, 0.3350, 0.3278



## Tritanopia

42.9872, 0.3189, 0.3122

# Trichromacy



## Original Color

42.9721, 0.3281, 0.3317

## Protanomaly

42.7725, 0.3225, 0.3317

## Deuteranomaly

42.7281, 0.3320, 0.3291

## Tritanomaly

43.0315, 0.3222, 0.3199

# Monochromacy



## Original Color

42.9721, 0.3281, 0.3317

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.4192, 0.3180, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.9721, 0.3281, 0.3317 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(187, 172, 170)` looks like.

```
.text, #text, p{  
    color:rgb(187, 172, 170)  
}
```

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(187, 172, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 172, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 42.9721, 0.3281, 0.3317 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(187, 172, 170) }
```

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

```
.border{ border-color:rgb(187, 172, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 172, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 172, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 172, 170);  
box-shadow:4px 4px 4px 4px rgb(187, 172,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.9721, 0.3281, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 172, 170) }
```

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

```
.background{ background-color: rgb(187,  
172, 170) }
```

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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