

# Converting Colors

$Y_{xy}(44.4198, 0.3319, 0.3354)$

Have a look what the booklet for  
Yxy(44.4198, 0.3319, 0.3354)  
contains.

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# Color

**Yxy(44.2507, 0.3314, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFAEAA
RGB	191, 174, 170
RGB Percent	75%, 68%, 67%
CMY	0.2512, 0.3176, 0.3334
CMYK	0.00, 0.09, 0.11, 0.25
HSL	12°, 14%, 71%
HSV	12°, 11%, 75%
XYZ	43.8668, 44.2507, 44.2507
YIQ	178.6270, 11.4160, 2.3600

# Conversions

## Conversions Part 2

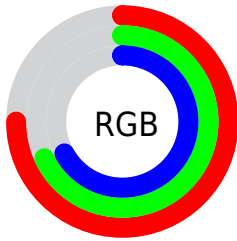
Format	Color
<a href="#">RYB</a>	<a href="#">191, 175, 170</a>
Decimal	<a href="#">12562090</a>
CIELab	<a href="#">72.40, 5.38, 4.26</a>
CIELCh	<a href="#">72, 6.866, 38.376</a>
Yxy	<a href="#">44.2507, 0.3314, 0.3343</a>
Android (android.graphics.Color)	<a href="#">4290752170</a> ( <a href="#">0xFFBFAEAA</a> )
YUV	<a href="#">178.6270, -4.2531, 10.8511</a>
Hunter-Lab	<a href="#">66.5212, 1.2982, 7.1244</a>

# Details

The Yxy color  $44.2507, 0.3314, 0.3343$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $47.8065, 0.2960, 0.3236$ , and the grayscale version is  $44.8866, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.2490, 0.3278, 0.3331$ , and  $20.5454, 0.3362, 0.3362$  is the 20% darker color. If you saturate the color by 10%, you get  $37.9620, 0.3522, 0.3395$ , and if you desaturate by 10%, it is  $51.3320, 0.3142, 0.3295$ .

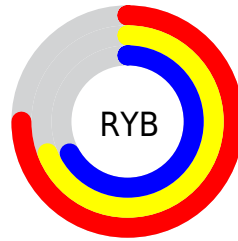
# Distribution



Red (75%)

Green (68%)

Blue (67%)



Red (75%)

Yellow (69%)

Blue (67%)

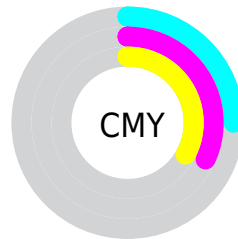


Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (25%)



Cyan (25%)

Magenta (32%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2507, 0.3314, 0.3343 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 44.2507, 0.3314, 0.3343 by changing the saturation by 10% instead.



■ 44.2507, 0.3314,  
0.3343

■ 44.2507, 0.3314,  
0.3343

363.7303, 0.3219,  
0.3317

■ 30.8676, 0.3338,  
0.3349

■ 81.5949, 0.3279,  
0.3334

■ 20.4981, 0.3369,  
0.3357

106.3247, 0.3266,  
0.3330

■ 12.7576, 0.3411,  
0.3368

135.6057, 0.3255,  
0.3327

■ 7.2619, 0.3470,  
0.3383

169.8221, 0.3246,  
0.3325

■ 3.6264, 0.3561,  
0.3404

209.3584, 0.3238,  
0.3322

■ 1.4669, 0.3716,  
0.3437

254.5989, 0.3231,

■ 0.2652, 0.5912,

0.3320

0.4088

305.9281, 0.3225,  
0.3319

0.0000, 0.0000,  
0.0000

44.2507, 0.3314,  
0.3343

44.2507, 0.3314,  
0.3343

37.9620, 0.3522,  
0.3395

51.3320, 0.3142,  
0.3295

32.4325, 0.3772,  
0.3448

59.2261, 0.3000,  
0.3250

27.6351, 0.4070,  
0.3501

67.9599, 0.2882,  
0.3209

23.5386, 0.4418,  
0.3548

77.5574, 0.2784,  
0.3172

20.1100, 0.4809,  
0.3583

87.3492, 0.2753,  
0.3248

■ 17.3131, 0.5224,  
0.3596

■ 89.8099, 0.2757,  
0.3289

■ 15.1086, 0.5626,  
0.3579

■ 13.4521, 0.5965,  
0.3527

■ 12.3800, 0.6193,  
0.3465

# Harmonies

## Analogous

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



44.2507, 0.3265, 0.3258



44.2507, 0.3314, 0.3343



44.2507, 0.3312, 0.3416

# Triad

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



44.2507, 0.3314, 0.3343



44.2507, 0.3074, 0.3403



44.2507, 0.2995, 0.3126

# Complementary

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



44.2507, 0.3314, 0.3343



47.8065, 0.2960, 0.3236

# 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.



44.2507, 0.2945, 0.3161



44.2507, 0.3314, 0.3343



44.2507, 0.2991, 0.3321

# Square

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



44.2507, 0.3314, 0.3343



44.2507, 0.3173, 0.3453



44.2507, 0.2944, 0.3233



44.2507, 0.3080, 0.3134



# Rectangle

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



44.2507, 0.3314, 0.3343



44.2507, 0.3282, 0.3448



44.2507, 0.2944, 0.3233



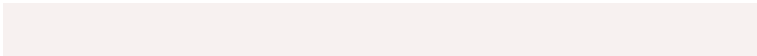
44.2507, 0.2973, 0.3133

# Sweetspot

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



44.2527, 0.3314, 0.3343



89.2484, 0.3175, 0.3304



43.4057, 0.3172, 0.3071



19.3652, 0.3188, 0.3308



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

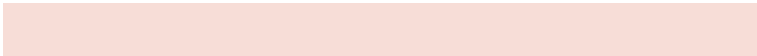


# Same Dimension

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



44.2527, 0.3314, 0.3343



76.6731, 0.3357, 0.3354



48.3819, 0.3298, 0.3474



9.8260, 0.3284, 0.3335



8.2312, 0.6173, 0.3481



0.4131, 0.5727, 0.3834



# Inverse Universe

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



47.8065, 0.2960, 0.3236



84.2159, 0.2927, 0.3225



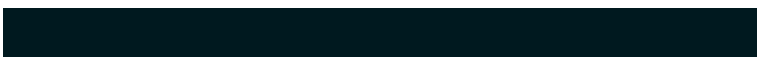
43.5992, 0.2958, 0.3099



10.4886, 0.2985, 0.3245



17.8167, 0.2075, 0.2668



0.7795, 0.2120, 0.2833



# Previews

## White Background



This preview shows how the Yxy color 44.2507, 0.3314, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

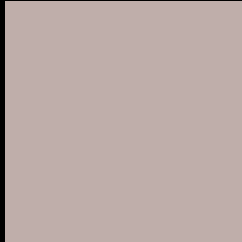
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.2507, 0.3314, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

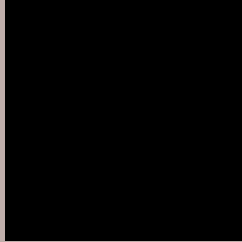
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.2507, 0.3314, 0.3343**

## Background



This preview shows how black text looks on a background with the Yxy color 44.2507, 0.3314, 0.3343.



This preview shows how white text looks on a background with the Yxy color 44.2507, 0.3314, 0.3343.

# 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

44.2507, 0.3314, 0.3343

### Protanopia

44.3679, 0.3212, 0.3357

### Deuteranopia

44.2776, 0.3373, 0.3316



## Tritanopia

44.3453, 0.3206, 0.3125

# Trichromacy



## Original Color

44.2507, 0.3314, 0.3343

## Protanomaly

44.3052, 0.3249, 0.3356

## Deuteranomaly

44.3915, 0.3353, 0.3329

## Tritanomaly

44.3889, 0.3239, 0.3201

# Monochromacy



## Original Color

44.2507, 0.3314, 0.3343

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.6461, 0.3188, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2507, 0.3314, 0.3343 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(191, 174, 170)` looks like.

```
.text, #text, p{  
    color:rgb(191, 174, 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(191, 174, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 174, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2507, 0.3314, 0.3343 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(191, 174, 170) }
```

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

```
.border{ border-color:rgb(191, 174, 170) }
```

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

Here you see how a box with a 4 pixel rgb(191, 174, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 174, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 174, 170);  
box-shadow:4px 4px 4px 4px rgb(191, 174,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2507, 0.3314, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 174, 170) }
```

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

```
.background{ background-color: rgb(191,  
174, 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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