

# Converting Colors

$Y_{xy}(43.2361, 0.3179, 0.3135)$

Have a look what the booklet for  
Yxy(43.2361, 0.3179, 0.3135)  
contains.

<b>Yxy(43.2361, 0.3179, 0.3135)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.2361, 0.3179, 0.3135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCABB7
RGB	188, 171, 183
RGB Percent	74%, 67%, 72%
CMY	0.2629, 0.3293, 0.2823
CMYK	0.00, 0.09, 0.03, 0.26
HSL	318°, 11%, 70%
HSV	318°, 9%, 74%
XYZ	43.8429, 43.2361, 50.8352
YIQ	177.4510, 6.2800, 7.3360

# Conversions

## Conversions Part 2

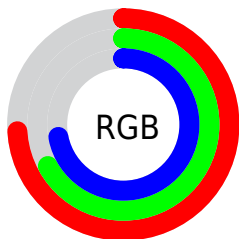
Format	Color
RYB	188, 171, 183
Decimal	12364727
CIELab	71.71, 8.25, -3.92
CIElCh	72, 9.132, 334.566
Yxy	43.2361, 0.3179, 0.3135
Android (android.graphics.Color)	4290554807 (0xFFBCABB7)
YUV	177.4510, 2.7357, 9.2515
Hunter-Lab	65.7542, 3.9487, 0.1902

# Details

The Yxy color  $43.2361, 0.3179, 0.3135$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $47.7455, 0.3079, 0.3450$ , and the grayscale version is  $44.1979, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.8578, 0.3168, 0.3159$ , and  $19.9563, 0.3199, 0.3096$  is the 20% darker color. If you saturate the color by 10%, you get  $36.4091, 0.3246, 0.2956$ , and if you desaturate by 10%, it is  $51.0856, 0.3122, 0.3306$ .

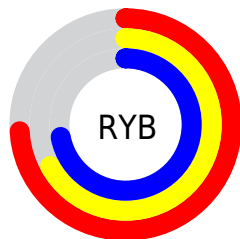
# Distribution



Red (74%)

Green (67%)

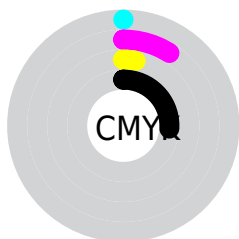
Blue (72%)



Red (74%)

Yellow (67%)

Blue (72%)

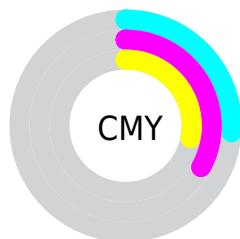


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (26%)



Cyan (26%)

Magenta (33%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2361, 0.3179, 0.3135 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 43.2361, 0.3179, 0.3135 by changing the saturation by 10% instead.





 43.2361, 0.3179,  
0.3135

 43.2361, 0.3179,  
0.3135


359.5818, 0.3153,  
0.3213

 30.0704, 0.3185,  
0.3116


 80.0670, 0.3170,  
0.3163

 19.8920, 0.3194,  
0.3091


104.5010, 0.3166,  
0.3174

 12.3166, 0.3205,  
0.3057


133.4600, 0.3163,  
0.3183

 6.9597, 0.3220,  
0.3011

167.3282, 0.3161,  
0.3190

 3.4369, 0.3242,  
0.2941

206.4901, 0.3158,  
0.3197

 1.3639, 0.3280,  
0.2824

251.3300, 0.3156,

 0.1899, 0.3627,

0.3203

0.1804

302.2325, 0.3155,  
0.3208

0.0000, 0.0000,  
0.0000

43.2361, 0.3179,  
0.3135

43.2361, 0.3179,  
0.3135

36.4091, 0.3246,  
0.2956

51.0856, 0.3122,  
0.3306

30.5565, 0.3324,  
0.2773

59.9921, 0.3074,  
0.3468

25.6347, 0.3413,  
0.2593

69.9951, 0.3033,  
0.3618

21.5945, 0.3514,  
0.2422

81.1306, 0.3000,  
0.3757

18.3822, 0.3625,  
0.2271

86.8864, 0.2970,  
0.3785

■ 15.9383, 0.3743,  
0.2149

■ 87.1664, 0.2941,  
0.3721

■ 14.1953, 0.3866,  
0.2068

■ 87.4560, 0.2912,  
0.3658

■ 13.0735, 0.3989,  
0.2033

■ 87.7551, 0.2883,  
0.3596

■ 12.4335, 0.4108,  
0.2042

■ 88.0641, 0.2855,  
0.3534

# Harmonies

## Analogous

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



43.2361, 0.3047, 0.3077



43.2361, 0.3179, 0.3135



43.2361, 0.3299, 0.3232

# Triad

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



43.2361, 0.3179, 0.3135



43.2361, 0.3317, 0.3510



43.2361, 0.2887, 0.3226

# Complementary

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



43.2361, 0.3179, 0.3135



47.7455, 0.3079, 0.3450

# 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.



43.2361, 0.2957, 0.3347



43.2361, 0.3179, 0.3135



43.2361, 0.3204, 0.3513

# Square

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



43.2361, 0.3179, 0.3135



43.2361, 0.3380, 0.3448



43.2361, 0.3072, 0.3453



43.2361, 0.2880, 0.3127



# Rectangle

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



43.2361, 0.3179, 0.3135



43.2361, 0.3356, 0.3308



43.2361, 0.3072, 0.3453



43.2361, 0.2904, 0.3266

# Sweetspot

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



43.2380, 0.3179, 0.3135



86.6592, 0.3144, 0.3238



41.9703, 0.3031, 0.3065



18.3868, 0.3148, 0.3225



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.



43.2380, 0.3179, 0.3135



75.5624, 0.3193, 0.3097



42.9019, 0.3250, 0.3242



9.6474, 0.3181, 0.3129



8.4447, 0.4106, 0.2036



0.3417, 0.3844, 0.1891



# Inverse Universe

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



43.2380, 0.3179, 0.3135



75.5624, 0.3193, 0.3097



48.0847, 0.3017, 0.3338



9.6474, 0.3181, 0.3129



8.4447, 0.4106, 0.2036



0.3417, 0.3844, 0.1891



# Previews

## White Background



This preview shows how the Yxy color 43.2361, 0.3179, 0.3135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

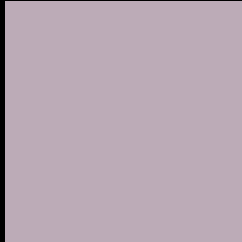
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.2361, 0.3179, 0.3135 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 43.2361, 0.3179, 0.3135**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.2361, 0.3179, 0.3135.



This preview shows how white text looks on a background with the Yxy color 43.2361, 0.3179, 0.3135.

# 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

43.2361, 0.3179, 0.3135

### Protanopia

43.3928, 0.3055, 0.3157

### Deuteranopia

42.9872, 0.3189, 0.3122



## Tritanopia

43.2779, 0.3171, 0.3122

# Trichromacy



## Original Color

43.2361, 0.3179, 0.3135

## Protanomaly

43.4361, 0.3098, 0.3158

## Deuteranomaly

42.9872, 0.3189, 0.3122

## Tritanomaly

43.2779, 0.3171, 0.3122

# Monochromacy



## Original Color

43.2361, 0.3179, 0.3135

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.7384, 0.3147, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2361, 0.3179, 0.3135 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(188, 171, 183)` looks like.

```
.text, #text, p{  
    color:rgb(188, 171, 183)  
}
```

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(188, 171, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 171, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2361, 0.3179, 0.3135 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(188, 171, 183) }
```

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

```
.border{ border-color:rgb(188, 171, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 171, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 171, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 171, 183);  
box-shadow:4px 4px 4px 4px rgb(188, 171,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2361, 0.3179, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 171, 183) }
```

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

```
.background{ background-color: rgb(188,  
171, 183) }
```

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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