

Converting Colors

$Y_{xy}(42.7802, 0.3209, 0.3257)$

Have a look what the booklet for
Yxy(42.7802, 0.3209, 0.3257)
contains.

Yxy(42.7905, 0.3210, 0.3251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.7905, 0.3210, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	B8ACAF
RGB	184, 172, 175
RGB Percent	72%, 67%, 69%
CMY	0.2785, 0.3254, 0.3138
CMYK	0.00, 0.06, 0.05, 0.28
HSL	345°, 8%, 70%
HSV	345°, 6%, 72%
XYZ	42.2508, 42.7905, 46.5812
YIQ	175.9300, 6.1890, 3.4770

Conversions

Conversions Part 2

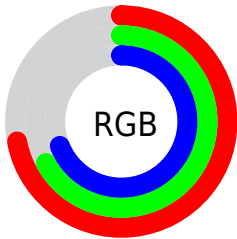
Format	Color
RYB	184, 172, 175
Decimal	12102831
CIELab	71.41, 4.82, 0.01
CIELCh	71, 4.816, 0.133
Yxy	42.7905, 0.3210, 0.3251
Android (android.graphics.Color)	4290292911 (0xFFB8ACAF)
YUV	175.9300, -0.4585, 7.0774
Hunter-Lab	65.4144, 0.8169, 3.5701

Details

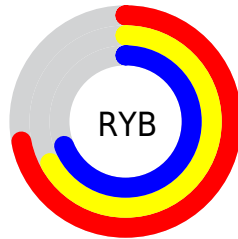
The Yxy color **42.7905, 0.3210, 0.3251** is a light color, and the websafe version is hex **999999**. A complement of this color would be **46.3777, 0.3050, 0.3329**, and the grayscale version is **43.3764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1766, 0.3198, 0.3259**, and **19.6883, 0.3230, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **35.7510, 0.3361, 0.3188**, and if you desaturate by 10%, it is **50.8588, 0.3087, 0.3310**.

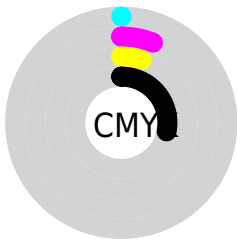
Distribution



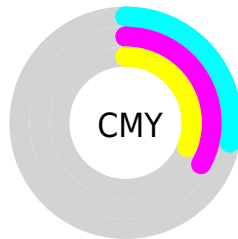
- Red (72%)
- Green (67%)
- Blue (69%)



- Red (72%)
- Yellow (67%)
- Blue (69%)



- Cyan (0%)
- Magenta (6%)
- Yellow (5%)
- Black (28%)



- Cyan (28%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7905, 0.3210, 0.3251 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 42.7905, 0.3210, 0.3251 by changing the saturation by 10% instead.

■ 42.7905, 0.3210,
0.3251

■ 42.7905, 0.3210,
0.3251

357.7495, 0.3168,
0.3271

■ 29.7208, 0.3221,
0.3246

■ 79.3946, 0.3195,
0.3258

■ 19.6267, 0.3235,
0.3239

103.6978, 0.3189,
0.3261

■ 12.1240, 0.3253,
0.3230

132.5143, 0.3184,
0.3263

■ 6.8282, 0.3280,
0.3218

166.2284, 0.3180,
0.3265

■ 3.3549, 0.3321,
0.3198

205.2246, 0.3176,
0.3267

■ 1.3197, 0.3391,
0.3165

249.8872, 0.3173,

■ 0.1564, 0.4496,

0.3268

0.2641

300.6007, 0.3170,
0.3270

0.0000, 0.0000,
0.0000

42.7905, 0.3210,
0.3251

42.7905, 0.3210,
0.3251

35.7510, 0.3361,
0.3188

50.8588, 0.3087,
0.3310

29.6935, 0.3547,
0.3121

59.9893, 0.2987,
0.3365

24.5757, 0.3775,
0.3054

70.2206, 0.2905,
0.3415

20.3503, 0.4048,
0.2991

81.5879, 0.2838,
0.3460

16.9658, 0.4370,
0.2939

88.2463, 0.2774,
0.3407

■ 14.3651, 0.4733,
0.2906

■ 88.9268, 0.2721,
0.3289

■ 12.4844, 0.5121,
0.2904

■ 11.2493, 0.5500,
0.2941

■ 10.5614, 0.5830,
0.3016

Harmonies

Analogous

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



42.7905, 0.3145, 0.3201



42.7905, 0.3210, 0.3251



42.7905, 0.3253, 0.3312

Triad

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



42.7905, 0.3210, 0.3251



42.7905, 0.3178, 0.3409



42.7905, 0.2994, 0.3211

Complementary

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



42.7905, 0.3210, 0.3251



46.3777, 0.3050, 0.3329

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.



42.7905, 0.3003, 0.3267



42.7905, 0.3210, 0.3251



42.7905, 0.3109, 0.3382

Square

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



42.7905, 0.3210, 0.3251



42.7905, 0.3235, 0.3404



42.7905, 0.3045, 0.3329



42.7905, 0.3020, 0.3177

Rectangle

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



42.7905, 0.3210, 0.3251



42.7905, 0.3263, 0.3350



42.7905, 0.3045, 0.3329



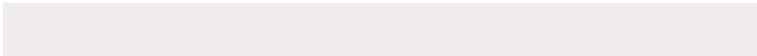
42.7905, 0.2993, 0.3228

Sweetspot

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



42.7924, 0.3210, 0.3251



83.8974, 0.3152, 0.3278



42.7922, 0.3108, 0.3133



18.1199, 0.3151, 0.3279



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.7924, 0.3210, 0.3251



75.3865, 0.3233, 0.3241



43.8277, 0.3232, 0.3330



9.0478, 0.3250, 0.3233



7.1671, 0.5904, 0.3026



0.2628, 0.5160, 0.2616

Inverse Universe

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



42.7924, 0.3210, 0.3251



75.3865, 0.3233, 0.3241



45.2724, 0.3028, 0.3250



9.0478, 0.3250, 0.3233



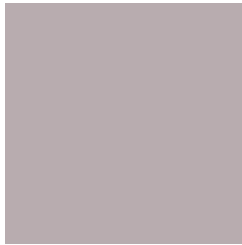
7.1671, 0.5904, 0.3026



0.2628, 0.5160, 0.2616

Previews

White Background



This preview shows how the Yxy color 42.7905, 0.3210, 0.3251 looks on a white background.

Color Contrast Check

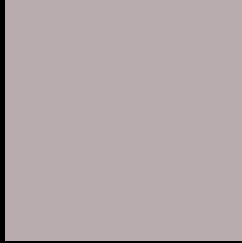
Large Text (above 18pt) WCAG AA × Fail

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 42.7905, 0.3210, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

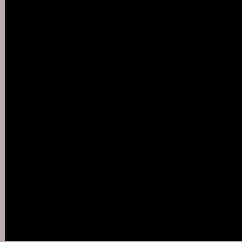
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7905, 0.3210, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 42.7905, 0.3210, 0.3251.



This preview shows how white text looks on a background with the Yxy color 42.7905, 0.3210, 0.3251.

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

42.7905, 0.3210, 0.3251

Protanopia

42.8717, 0.3146, 0.3263

Deuteranopia

42.5869, 0.3269, 0.3200



Tritanopia

42.9008, 0.3144, 0.3121

Trichromacy



Original Color

42.7905, 0.3210, 0.3251

Protanomaly

42.7250, 0.3165, 0.3250

Deuteranomaly

42.5754, 0.3240, 0.3212

Tritanomaly

42.7763, 0.3169, 0.3159

Monochromacy



Original Color

42.7905, 0.3210, 0.3251

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.3782, 0.3154, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7905, 0.3210, 0.3251 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(184, 172, 175)` looks like.

```
.text, #text, p{  
    color:rgb(184, 172, 175)  
}
```

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(184, 172, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 172, 175) }
```

Border

The CSS property to change the border of an element to Yxy 42.7905, 0.3210, 0.3251 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(184, 172, 175) }
```

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

```
.border{ border-color:rgb(184, 172, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 172, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 172, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 172, 175);  
box-shadow:4px 4px 4px 4px rgb(184, 172,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7905, 0.3210, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 172, 175) }
```

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

```
.background{ background-color: rgb(184,  
172, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor