

Converting Colors

$Y_{xy}(42.3502, 0.3238, 0.3213)$

Have a look what the booklet for
Yxy(42.3502, 0.3238, 0.3213)
contains.

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Color

Yxy(42.4488, 0.3231, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	BBAAB0
RGB	187, 170, 176
RGB Percent	73%, 67%, 69%
CMY	0.2667, 0.3333, 0.3099
CMYK	0.00, 0.09, 0.06, 0.27
HSL	339°, 11%, 70%
HSV	339°, 9%, 73%
XYZ	42.6999, 42.4488, 47.0082
YIQ	175.7670, 8.2060, 5.4700

Conversions

Conversions Part 2

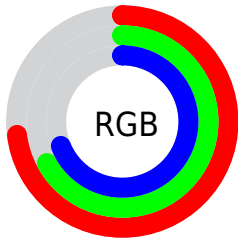
Format	Color
RYB	187, 170, 176
Decimal	12298928
CIELab	71.18, 7.17, -0.85
CIELCh	71, 7.219, 353.237
Yxy	42.4488, 0.3231, 0.3212
Android (android.graphics.Color)	4290489008 (0xFFBBAAB0)
YUV	175.7670, 0.1149, 9.8513
Hunter-Lab	65.1527, 2.9683, 2.8287

Details

The Yxy color **42.4488, 0.3231, 0.3212** is a light color, and the websafe version is hex **999999**. A complement of this color would be **47.4172, 0.3033, 0.3369**, and the grayscale version is **43.2840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7313, 0.3208, 0.3219**, and **19.4804, 0.3259, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **35.4726, 0.3369, 0.3121**, and if you desaturate by 10%, it is **50.4687, 0.3118, 0.3298**.

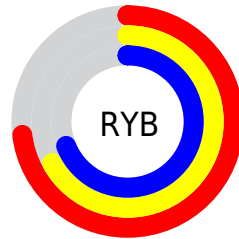
Distribution



Red (73%)

Green (67%)

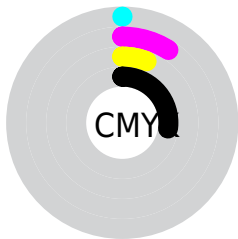
Blue (69%)



Red (73%)

Yellow (67%)

Blue (69%)

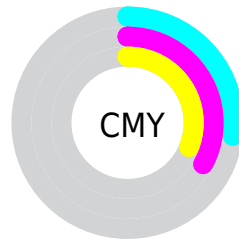


Cyan (0%)

Magenta (9%)

Yellow (6%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4488, 0.3231, 0.3212 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 42.4488, 0.3231, 0.3212 by changing the saturation by 10% instead.


 42.4488, 0.3231,
0.3212

 42.4488, 0.3231,
0.3212

356.3400, 0.3178,
0.3252

 29.4529, 0.3244,
0.3202


 78.8784, 0.3212,
0.3226

 19.4237, 0.3262,
0.3189


103.0809, 0.3204,
0.3232

 11.9768, 0.3285,
0.3171


131.7877, 0.3198,
0.3236

 6.7279, 0.3318,
0.3147

165.3832, 0.3193,
0.3240

 3.2925, 0.3370,
0.3109

204.2518, 0.3189,
0.3244

 1.2863, 0.3458,
0.3044

248.7778, 0.3185,

 0.1306, 0.4738,

0.3247

0.2068

299.3458, 0.3181,
0.3249

0.0000, 0.0000,
0.0000

42.4488, 0.3231,
0.3212

42.4488, 0.3231,
0.3212

35.4726, 0.3369,
0.3121

50.4687, 0.3118,
0.3298

29.4914, 0.3538,
0.3027

59.5671, 0.3025,
0.3377

24.4612, 0.3741,
0.2933

69.7842, 0.2949,
0.3450

20.3322, 0.3983,
0.2845

81.1564, 0.2886,
0.3517

17.0504, 0.4263,
0.2771

88.1723, 0.2828,
0.3489

■ 14.5556, 0.4577,
0.2724

■ 88.9031, 0.2767,
0.3356

■ 12.7798, 0.4910,
0.2715

■ 89.3025, 0.2736,
0.3289

■ 11.6431, 0.5240,
0.2753

■ 11.0043, 0.5545,
0.2835

Harmonies

Analogous

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



42.4488, 0.3129, 0.3144



42.4488, 0.3231, 0.3212



42.4488, 0.3306, 0.3301

Triad

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



42.4488, 0.3231, 0.3212



42.4488, 0.3226, 0.3472



42.4488, 0.2926, 0.3187

Complementary

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



42.4488, 0.3231, 0.3212



47.4172, 0.3033, 0.3369

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.



42.4488, 0.2951, 0.3276



42.4488, 0.3231, 0.3212



42.4488, 0.3123, 0.3443

Square

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



42.4488, 0.3231, 0.3212



42.4488, 0.3303, 0.3452



42.4488, 0.3023, 0.3370



42.4488, 0.2954, 0.3129

Rectangle

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



42.4488, 0.3231, 0.3212



42.4488, 0.3330, 0.3360



42.4488, 0.3023, 0.3370



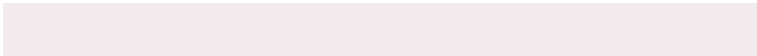
42.4488, 0.2929, 0.3214

Sweetspot

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



42.4507, 0.3231, 0.3212



84.4742, 0.3160, 0.3264



42.1360, 0.3082, 0.3067



18.3446, 0.3169, 0.3257



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.



42.4507, 0.3231, 0.3212



73.2649, 0.3258, 0.3193



43.0752, 0.3280, 0.3320



9.5903, 0.3235, 0.3210



7.5612, 0.5540, 0.2826



0.3088, 0.4867, 0.2455

Inverse Universe

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



42.4507, 0.3231, 0.3212



73.2649, 0.3258, 0.3193



46.7152, 0.2989, 0.3260



9.5903, 0.3235, 0.3210



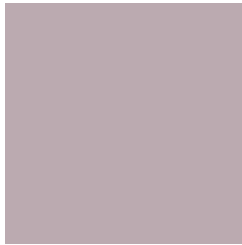
7.5612, 0.5540, 0.2826



0.3088, 0.4867, 0.2455

Previews

White Background



This preview shows how the Yxy color 42.4488, 0.3231, 0.3212 looks on a white background.

Color Contrast Check

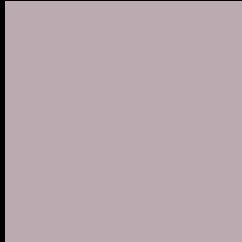
Large Text (above 18pt) WCAG AA × Fail

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 42.4488, 0.3231, 0.3212 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

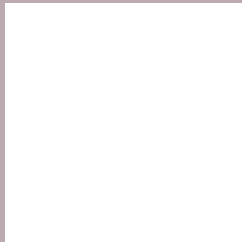
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4488, 0.3231, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 42.4488, 0.3231, 0.3212.



This preview shows how white text looks on a background with the Yxy color 42.4488, 0.3231, 0.3212.

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

42.4488, 0.3231, 0.3212

Protanopia

42.3316, 0.3113, 0.3223

Deuteranopia

42.4577, 0.3260, 0.3199



Tritanopia

42.4447, 0.3190, 0.3121

Trichromacy



Original Color

42.4488, 0.3231, 0.3212

Protanomaly

42.3827, 0.3157, 0.3223

Deuteranomaly

42.3293, 0.3251, 0.3199

Tritanomaly

42.3626, 0.3207, 0.3147

Monochromacy



Original Color

42.4488, 0.3231, 0.3212

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.1100, 0.3164, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4488, 0.3231, 0.3212 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, 170, 176)` looks like.

```
.text, #text, p{  
    color:rgb(187, 170, 176)  
}
```

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, 170, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 170, 176) }
```

Border

The CSS property to change the border of an element to Yxy 42.4488, 0.3231, 0.3212 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, 170, 176) }
```

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

```
.border{ border-color:rgb(187, 170, 176) }
```

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

Here you see how a box with a 4 pixel rgb(187, 170, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 170, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 170, 176);  
box-shadow:4px 4px 4px 4px rgb(187, 170,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4488, 0.3231, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 170, 176) }
```

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

```
.background{ background-color: rgb(187,  
170, 176) }
```

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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