

Converting Colors

$Y_{xy}(42.7799, 0.3223, 0.3350)$

Have a look what the booklet for
Yxy(42.7799, 0.3223, 0.3350)
contains.

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Color

Yxy(42.8400, 0.3223, 0.3357)

Conversions

Conversions Part 1

Format	Color
Hex	B4AEA9
RGB	180, 174, 169
RGB Percent	71%, 68%, 66%
CMY	0.2939, 0.3177, 0.3372
CMYK	0.00, 0.03, 0.06, 0.29
HSL	27°, 7%, 68%
HSV	27°, 6%, 71%
XYZ	41.1300, 42.8400, 43.6440
YIQ	175.2240, 5.1810, -0.2830

Conversions

Conversions Part 2

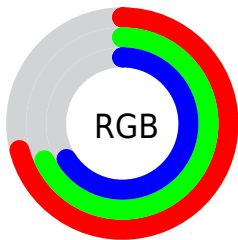
Format	Color
RYB	180, 178, 169
Decimal	11841193
CIELab	71.45, 1.27, 3.31
CIELCh	71, 3.540, 69.037
Yxy	42.8400, 0.3223, 0.3357
Android (android.graphics.Color)	4290031273 (0xFFB4AEA9)
YUV	175.2240, -3.0684, 4.1886
Hunter-Lab	65.4523, -2.3727, 6.2817

Details

The Yxy color **42.8400, 0.3223, 0.3357** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.4258, 0.3034, 0.3222**, and the grayscale version is **43.0106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2533, 0.3208, 0.3342**, and **19.7154, 0.3247, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **38.5281, 0.3398, 0.3472**, and if you desaturate by 10%, it is **47.5305, 0.3071, 0.3249**.

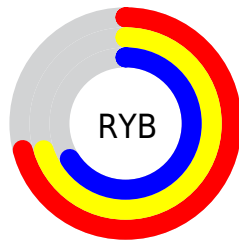
Distribution



Red (71%)

Green (68%)

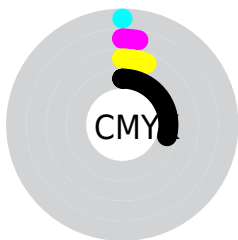
Blue (66%)



Red (71%)

Yellow (70%)

Blue (66%)

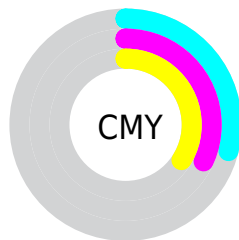


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (29%)



Cyan (29%)


Magenta (32%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8400, 0.3223, 0.3357 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 42.8400, 0.3223, 0.3357 by changing the saturation by 10% instead.


 42.8400, 0.3223,
0.3357

 42.8400, 0.3223,
0.3357


357.9534, 0.3174,
0.3323

 29.7596, 0.3235,
0.3366


 79.4694, 0.3205,
0.3345

 19.6562, 0.3252,
0.3377


103.7871, 0.3198,
0.3340

 12.1454, 0.3273,
0.3392


132.6194, 0.3193,
0.3336

 6.8428, 0.3304,
0.3413

166.3507, 0.3188,
0.3333

 3.3640, 0.3352,
0.3445

205.3653, 0.3184,
0.3330

 1.3246, 0.3434,
0.3500

250.0477, 0.3180,

 0.1601, 0.5335,

0.3327

0.4665

300.7823, 0.3177,
0.3325

0.0000, 0.0000,
0.0000

42.8400, 0.3223,
0.3357

42.8400, 0.3223,
0.3357

38.5281, 0.3398,
0.3472

47.5305, 0.3071,
0.3249

34.5793, 0.3600,
0.3592

52.6034, 0.2939,
0.3149

30.9852, 0.3828,
0.3713

58.0695, 0.2826,
0.3057

27.7351, 0.4084,
0.3830

63.9376, 0.2727,
0.2973

24.8175, 0.4363,
0.3935

69.9532, 0.2662,
0.2938

■ 22.2202, 0.4657,
0.4016

■ 75.4110, 0.2675,
0.3050

■ 19.9300, 0.4950,
0.4061

■ 81.1832, 0.2687,
0.3161

■ 17.9325, 0.5225,
0.4059

■ 87.2748, 0.2699,
0.3269

■ 16.2108, 0.5462,
0.4004

■ 88.4497, 0.2701,
0.3289

Harmonies

Analogous

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



42.8400, 0.3224, 0.3319



42.8400, 0.3223, 0.3357



42.8400, 0.3196, 0.3377

Triad

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



42.8400, 0.3223, 0.3357



42.8400, 0.3055, 0.3306



42.8400, 0.3104, 0.3208

Complementary

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



42.8400, 0.3223, 0.3357



42.4258, 0.3034, 0.3222

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.



42.8400, 0.3059, 0.3204



42.8400, 0.3223, 0.3357



42.8400, 0.3031, 0.3260

Square

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



42.8400, 0.3223, 0.3357



42.8400, 0.3099, 0.3348



42.8400, 0.3032, 0.3223



42.8400, 0.3155, 0.3234

Rectangle

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



42.8400, 0.3223, 0.3357



42.8400, 0.3167, 0.3378



42.8400, 0.3032, 0.3223



42.8400, 0.3087, 0.3204

Sweetspot

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



42.8419, 0.3223, 0.3357



81.0274, 0.3158, 0.3312



41.1897, 0.3176, 0.3209



17.5327, 0.3156, 0.3311



91.1408, 0.3127, 0.3290



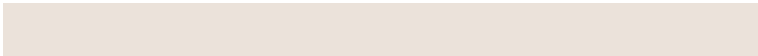
17.8868, 0.3127, 0.3290

Same Dimension

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



42.8419, 0.3223, 0.3357



76.8272, 0.3239, 0.3368



45.0164, 0.3217, 0.3430



9.2956, 0.3245, 0.3372



11.0180, 0.5529, 0.3992



0.4637, 0.5065, 0.4360

Inverse Universe

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



42.4258, 0.3034, 0.3222



75.9573, 0.3019, 0.3211



40.3214, 0.3035, 0.3146



9.1853, 0.3014, 0.3207



8.6538, 0.1825, 0.1769



0.3868, 0.1955, 0.2236

Previews

White Background



This preview shows how the Yxy color 42.8400, 0.3223, 0.3357 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 42.8400, 0.3223, 0.3357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

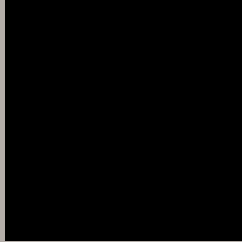
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

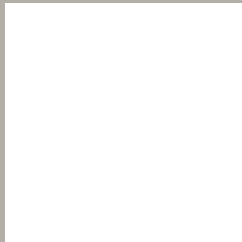
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8400, 0.3223, 0.3357

Background



This preview shows how black text looks on a background with the Yxy color 42.8400, 0.3223, 0.3357.



This preview shows how white text looks on a background with the Yxy color 42.8400, 0.3223, 0.3357.

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

42.8400, 0.3223, 0.3357

Protanopia

42.7204, 0.3214, 0.3358

Deuteranopia

42.7475, 0.3350, 0.3278



Tritanopia

42.9529, 0.3109, 0.3120

Trichromacy



Original Color

42.8400, 0.3223, 0.3357

Protanomaly

42.7204, 0.3214, 0.3358

Deuteranomaly

42.8469, 0.3300, 0.3304

Tritanomaly

42.9656, 0.3149, 0.3211

Monochromacy



Original Color

42.8400, 0.3223, 0.3357

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.0242, 0.3161, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8400, 0.3223, 0.3357 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(180, 174, 169)` looks like.

```
.text, #text, p{  
    color:rgb(180, 174, 169)  
}
```

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(180, 174, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 174, 169) }
```

Border

The CSS property to change the border of an element to Yxy 42.8400, 0.3223, 0.3357 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(180, 174, 169) }
```

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

```
.border{ border-color:rgb(180, 174, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 174, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 174, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 174, 169);  
box-shadow:4px 4px 4px 4px rgb(180, 174,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8400, 0.3223, 0.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 174, 169) }
```

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

```
.background{ background-color: rgb(180,  
174, 169) }
```

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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