

Converting Colors

$Y_{xy}(42.6831, 0.3243, 0.3270)$

Have a look what the booklet for
Yxy(42.6831, 0.3243, 0.3270)
contains.

Yxy(42.5821, 0.3247, 0.3264)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.5821, 0.3247, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	BAABAD
RGB	186, 171, 173
RGB Percent	73%, 67%, 68%
CMY	0.2705, 0.3294, 0.3216
CMYK	0.00, 0.08, 0.07, 0.27
HSL	352°, 10%, 70%
HSV	352°, 8%, 73%
XYZ	42.3603, 42.5821, 45.5174
YIQ	175.7130, 8.2980, 3.8020

Conversions

Conversions Part 2

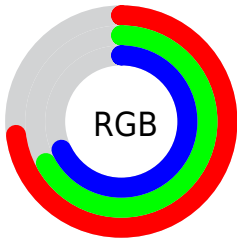
Format	Color
R _Y B	186, 171, 173
Decimal	12233645
CIE Lab	71.27, 5.76, 0.92
CIE LCh	71, 5.832, 9.098
Yxy	42.5821, 0.3247, 0.3264
Android (android.graphics.Color)	4290423725 (0xFFBAABAD)
YUV	175.7130, -1.3375, 9.0217
Hunter-Lab	65.2550, 1.6773, 4.3218

Details

The Yxy color $42.5821, 0.3247, 0.3264$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $47.2506, 0.3019, 0.3316$, and the grayscale version is $43.2652, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8714, 0.3226, 0.3270$, and $19.5607, 0.3281, 0.3254$ is the 20% darker color. If you saturate the color by 10%, you get $35.4566, 0.3427, 0.3230$, and if you desaturate by 10%, it is $50.7758, 0.3102, 0.3296$.

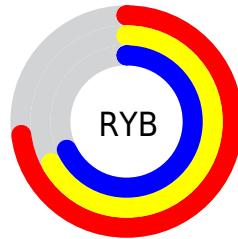
Distribution



Red (73%)

Green (67%)

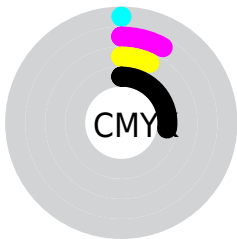
Blue (68%)



Red (73%)

Yellow (67%)

Blue (68%)

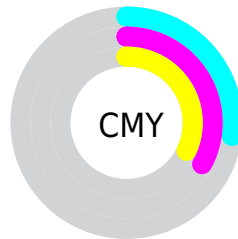


Cyan (0%)

Magenta (8%)

Yellow (7%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5821, 0.3247, 0.3264 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 42.5821, 0.3247, 0.3264 by changing the saturation by 10% instead.


 42.5821, 0.3247,
0.3264

 42.5821, 0.3247,
0.3264


356.8903, 0.3186,
0.3277

 29.5574, 0.3263,
0.3261


 79.0799, 0.3225,
0.3269

 19.5029, 0.3283,
0.3256


103.3217, 0.3216,
0.3271

 12.0342, 0.3310,
0.3250


132.0713, 0.3209,
0.3272

 6.7670, 0.3349,
0.3241

165.7131, 0.3203,
0.3274

 3.3168, 0.3409,
0.3227

204.6315, 0.3198,
0.3275

 1.2993, 0.3513,
0.3202

249.2109, 0.3194,

 0.1406, 0.5446,

0.3276

0.2793

299.8357, 0.3190,
0.3277

0.0000, 0.0000,
0.0000

42.5821, 0.3247,
0.3264

42.5821, 0.3247,
0.3264

35.4566, 0.3427,
0.3230

50.7758, 0.3102,
0.3296

29.3500, 0.3650,
0.3194

60.0734, 0.2984,
0.3325

24.2174, 0.3925,
0.3159

70.5157, 0.2889,
0.3352

20.0082, 0.4255,
0.3127

82.1399, 0.2811,
0.3376

16.6675, 0.4642,
0.3104

89.0965, 0.2738,
0.3303

■ 14.1344, 0.5070,
0.3095

■ 89.1830, 0.2731,
0.3289

■ 12.3403, 0.5504,
0.3107

■ 11.2048, 0.5893,
0.3144

■ 10.6034, 0.6183,
0.3198

Harmonies

Analogous

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



42.5821, 0.3174, 0.3198



42.5821, 0.3247, 0.3264



42.5821, 0.3288, 0.3338

Triad

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



42.5821, 0.3247, 0.3264



42.5821, 0.3164, 0.3429



42.5821, 0.2971, 0.3178

Complementary

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



42.5821, 0.3247, 0.3264



47.2506, 0.3019, 0.3316

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.



42.5821, 0.2969, 0.3239



42.5821, 0.3247, 0.3264



42.5821, 0.3080, 0.3385

Square

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



42.5821, 0.3247, 0.3264



42.5821, 0.3240, 0.3434



42.5821, 0.3008, 0.3315



42.5821, 0.3015, 0.3148

Rectangle

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



42.5821, 0.3247, 0.3264



42.5821, 0.3292, 0.3382



42.5821, 0.3008, 0.3315



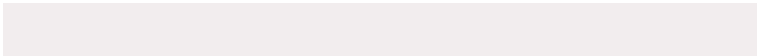
42.5821, 0.2966, 0.3196

Sweetspot

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



42.5840, 0.3247, 0.3264



85.9006, 0.3155, 0.3284



42.8642, 0.3118, 0.3094



18.9510, 0.3154, 0.3284



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.



42.5840, 0.3247, 0.3264



74.3107, 0.3281, 0.3257



44.6336, 0.3257, 0.3363



9.0311, 0.3267, 0.3260



7.0760, 0.6206, 0.3192



0.2557, 0.5648, 0.2885

Inverse Universe

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



42.5840, 0.3247, 0.3264



74.3107, 0.3281, 0.3257



45.0561, 0.3004, 0.3216



9.0311, 0.3267, 0.3260



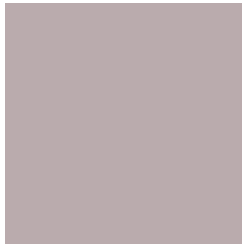
7.0760, 0.6206, 0.3192



0.2557, 0.5648, 0.2885

Previews

White Background



This preview shows how the Yxy color 42.5821, 0.3247, 0.3264 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 42.5821, 0.3247, 0.3264 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 42.5821, 0.3247, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 42.5821, 0.3247, 0.3264.



This preview shows how white text looks on a background with the Yxy color 42.5821, 0.3247, 0.3264.

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

42.5821, 0.3247, 0.3264

Protanopia

42.7144, 0.3146, 0.3277

Deuteranopia

42.5995, 0.3305, 0.3239



Tritanopia

42.3596, 0.3172, 0.3108

Trichromacy



Original Color

42.5821, 0.3247, 0.3264

Protanomaly

42.6464, 0.3181, 0.3277

Deuteranomaly

42.7137, 0.3285, 0.3251

Tritanomaly

42.5689, 0.3205, 0.3173

Monochromacy



Original Color

42.5821, 0.3247, 0.3264

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.0705, 0.3172, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5821, 0.3247, 0.3264 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(186, 171, 173)` looks like.

```
.text, #text, p{  
    color:rgb(186, 171, 173)  
}
```

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(186, 171, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 171, 173) }
```

Border

The CSS property to change the border of an element to Yxy 42.5821, 0.3247, 0.3264 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(186, 171, 173) }
```

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

```
.border{ border-color:rgb(186, 171, 173) }
```

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

Here you see how a box with a 4 pixel rgb(186, 171, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 171, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 171, 173);  
box-shadow:4px 4px 4px 4px rgb(186, 171,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5821, 0.3247, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 171, 173) }
```

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

```
.background{ background-color: rgb(186,  
171, 173) }
```

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