

Converting Colors

$Y_{xy}(47.2810, 0.3241, 0.3443)$

Have a look what the booklet for
Yxy(47.2810, 0.3241, 0.3443)
contains.

Yxy(47.2464, 0.3249, 0.3447)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2464, 0.3249, 0.3447)

Conversions

Conversions Part 1

Format	Color
Hex	BAB7AB
RGB	186, 183, 171
RGB Percent	73%, 72%, 67%
CMY	0.2706, 0.2823, 0.3295
CMYK	0.00, 0.02, 0.08, 0.27
HSL	48°, 10%, 70%
HSV	48°, 8%, 73%
XYZ	44.5325, 47.2464, 45.2864
YIQ	182.5290, 5.6400, -3.0960

Conversions

Conversions Part 2

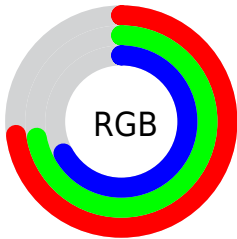
Format	Color
RYB	175, 186, 171
Decimal	12236715
CIELab	74.35, -1.08, 6.48
CIElCh	74, 6.570, 99.492
Yxy	47.2464, 0.3249, 0.3447
Android (android.graphics.Color)	4290426795 (0xFFBAB7AB)
YUV	182.5290, -5.6838, 3.0441
Hunter-Lab	68.7360, -4.6419, 9.0523

Details

The Yxy color $47.2464, 0.3249, 0.3447$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $42.4617, 0.3004, 0.3128$, and the grayscale version is $47.1125, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1012, 0.3228, 0.3422$, and $22.2837, 0.3283, 0.3486$ is the 20% darker color. If you saturate the color by 10%, you get $45.0775, 0.3410, 0.3648$, and if you desaturate by 10%, it is $49.5596, 0.3099, 0.3254$.

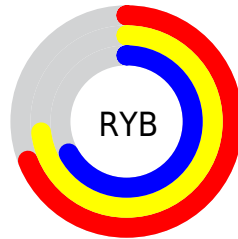
Distribution



Red (73%)

Green (72%)

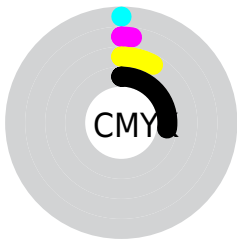
Blue (67%)



Red (69%)

Yellow (73%)

Blue (67%)

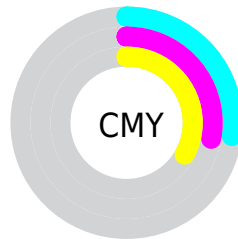


Cyan (0%)

Magenta (2%)

Yellow (8%)

Black (27%)



Cyan (27%)

Magenta (28%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2464, 0.3249, 0.3447 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 47.2464, 0.3249, 0.3447 by changing the saturation by 10% instead.

■ 47.2464, 0.3249,
0.3447

■ 47.2464, 0.3249,
0.3447

375.7972, 0.3188,
0.3369

■ 33.2305, 0.3264,
0.3467

■ 86.0813, 0.3227,
0.3418

■ 22.3031, 0.3283,
0.3492

111.6691, 0.3219,
0.3408

■ 14.0798, 0.3309,
0.3526

141.8829, 0.3212,
0.3399

■ 8.1762, 0.3345,
0.3573

177.1073, 0.3206,
0.3391

■ 4.2079, 0.3398,
0.3643

217.7265, 0.3200,
0.3384

■ 1.7905, 0.3486,
0.3760

264.1249, 0.3196,

■ 0.4813, 0.4383,

0.3378

0.4895

316.6870, 0.3192,
0.3373

0.0000, 0.0000,
0.0000

47.2464, 0.3249,
0.3447

47.2464, 0.3249,
0.3447

45.0775, 0.3410,
0.3648

49.5596, 0.3099,
0.3254

43.0424, 0.3580,
0.3854

52.0151, 0.2962,
0.3071

41.1382, 0.3755,
0.4056

54.6189, 0.2837,
0.2901

39.3599, 0.3930,
0.4248

57.3750, 0.2724,
0.2744

37.7019, 0.4100,
0.4419

59.6952, 0.2672,
0.2689

36.1582, 0.4256,
0.4560

61.4528, 0.2676,
0.2732

34.7219, 0.4391,
0.4662

63.2526, 0.2680,
0.2775

33.3849, 0.4500,
0.4718

65.0947, 0.2685,
0.2818

32.1349, 0.4581,
0.4732

66.9796, 0.2689,
0.2860

Harmonies

Analogous

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



47.2464, 0.3299, 0.3410



47.2464, 0.3249, 0.3447



47.2464, 0.3166, 0.3441

Triad

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



47.2464, 0.3249, 0.3447



47.2464, 0.2955, 0.3233



47.2464, 0.3179, 0.3191

Complementary

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



47.2464, 0.3249, 0.3447



42.4617, 0.3004, 0.3128

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.



47.2464, 0.3086, 0.3145



47.2464, 0.3249, 0.3447



47.2464, 0.2958, 0.3168

Square

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



47.2464, 0.3249, 0.3447



47.2464, 0.2997, 0.3316



47.2464, 0.3006, 0.3136



47.2464, 0.3258, 0.3263

Rectangle

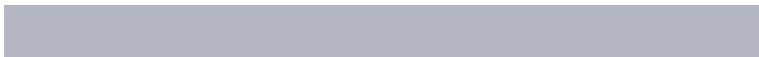
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2464, 0.3249, 0.3447



47.2464, 0.3105, 0.3413



47.2464, 0.3006, 0.3136



47.2464, 0.3148, 0.3172

Sweetspot

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



47.2485, 0.3249, 0.3447



88.1381, 0.3157, 0.3329



42.6107, 0.3238, 0.3251



19.4191, 0.3156, 0.3327



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.



47.2485, 0.3249, 0.3447



84.7948, 0.3282, 0.3488



47.9430, 0.3207, 0.3488



10.1907, 0.3268, 0.3472



21.5680, 0.4590, 0.4738



0.8389, 0.4470, 0.4833

Inverse Universe

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



42.4617, 0.3004, 0.3128



74.0347, 0.2971, 0.3083



41.8310, 0.3044, 0.3089



9.0019, 0.2984, 0.3101



3.3669, 0.1559, 0.0814



0.2056, 0.1690, 0.1282

Previews

White Background



This preview shows how the Yxy color 47.2464, 0.3249, 0.3447 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 47.2464, 0.3249, 0.3447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

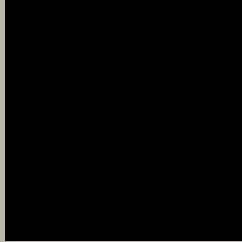
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

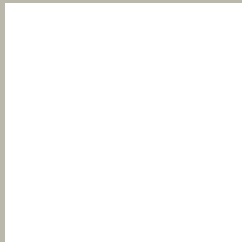
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2464, 0.3249, 0.3447

Background



This preview shows how black text looks on a background with the Yxy color 47.2464, 0.3249, 0.3447.



This preview shows how white text looks on a background with the Yxy color 47.2464, 0.3249, 0.3447.

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

47.2464, 0.3249, 0.3447

Protanopia

47.1770, 0.3285, 0.3446

Deuteranopia

47.2602, 0.3410, 0.3353



Tritanopia

47.3564, 0.3093, 0.3113

Trichromacy



Original Color

47.2464, 0.3249, 0.3447

Protanomaly

47.0495, 0.3276, 0.3446

Deuteranomaly

47.0891, 0.3344, 0.3379

Tritanomaly

47.2843, 0.3147, 0.3226

Monochromacy



Original Color

47.2464, 0.3249, 0.3447

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.3120, 0.3167, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2464, 0.3249, 0.3447 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, 183, 171)` looks like.

```
.text, #text, p{  
    color:rgb(186, 183, 171)  
}
```

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, 183, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 183, 171) }
```

Border

The CSS property to change the border of an element to Yxy 47.2464, 0.3249, 0.3447 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, 183, 171) }
```

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

```
.border{ border-color:rgb(186, 183, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 183, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 183, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 183, 171);  
box-shadow:4px 4px 4px 4px rgb(186, 183,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2464, 0.3249, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 183, 171) }
```

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

```
.background{ background-color: rgb(186,  
183, 171) }
```

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