

Converting Colors

$Y_{xy}(47.7941, 0.3205, 0.3335)$

Have a look what the booklet for
Yxy(47.7941, 0.3205, 0.3335)
contains.

Yxy(47.9405, 0.3210, 0.3341)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.9405, 0.3210, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	BDB7B3
RGB	189, 183, 179
RGB Percent	74%, 72%, 70%
CMY	0.2588, 0.2824, 0.2979
CMYK	0.00, 0.03, 0.05, 0.26
HSL	24°, 7%, 72%
HSV	24°, 5%, 74%
XYZ	46.0608, 47.9405, 49.4902
YIQ	184.3380, 4.8600, 0.0280

Conversions

Conversions Part 2

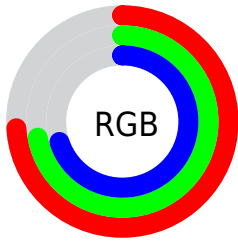
Format	Color
R_{YB}	189, 186, 179
Decimal	12433331
CIE Lab	74.79, 1.41, 2.76
CIE LCh	75, 3.096, 62.884
Yxy	47.9405, 0.3210, 0.3341
Android (android.graphics.Color)	4290623411 (0xFFBDB7B3)
YUV	184.3380, -2.6316, 4.0886
Hunter-Lab	69.2391, -2.4226, 6.0885

Details

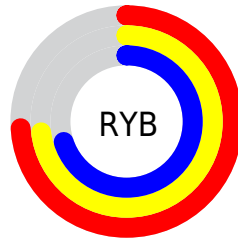
The Yxy color $47.9405, 0.3210, 0.3341$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $47.9788, 0.3047, 0.3238$, and the grayscale version is $48.1449, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.1436, 0.3192, 0.3330$, and $22.7059, 0.3241, 0.3360$ is the 20% darker color. If you saturate the color by 10%, you get $42.7198, 0.3387, 0.3443$, and if you desaturate by 10%, it is $53.6504, 0.3059, 0.3246$.

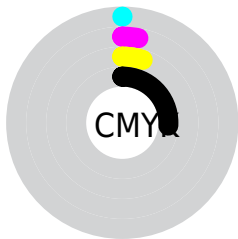
Distribution



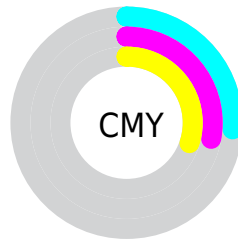
- Red (74%)
- Green (72%)
- Blue (70%)



- Red (74%)
- Yellow (73%)
- Blue (70%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (26%)



- Cyan (26%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9405, 0.3210, 0.3341 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 47.9405, 0.3210, 0.3341 by changing the saturation by 10% instead.

■ 47.9405, 0.3210,
0.3341

■ 47.9405, 0.3210,
0.3341

378.5562, 0.3169,
0.3316

■ 33.7798, 0.3220,
0.3347

■ 87.1158, 0.3195,
0.3332

■ 22.7245, 0.3233,
0.3355

112.8992, 0.3189,
0.3328

■ 14.3902, 0.3251,
0.3366

143.3255, 0.3185,
0.3326

■ 8.3925, 0.3276,
0.3380

178.7793, 0.3181,
0.3323

■ 4.3471, 0.3312,
0.3402

219.6449, 0.3177,
0.3321

■ 1.8696, 0.3373,
0.3438

266.3066, 0.3174,

■ 0.5300, 0.3705,

0.3319

0.3649

319.1489, 0.3171,
0.3317

0.0000, 0.0000,
0.0000

47.9405, 0.3210,
0.3341

47.9405, 0.3210,
0.3341

42.7198, 0.3387,
0.3443

53.6504, 0.3059,
0.3246

37.9687, 0.3591,
0.3549

59.8559, 0.2929,
0.3158

33.6757, 0.3827,
0.3657

66.5712, 0.2818,
0.3078

29.8262, 0.4095,
0.3762

73.8080, 0.2722,
0.3004

26.4048, 0.4392,
0.3855

80.3254, 0.2732,
0.3126

■ 23.3951, 0.4708,
0.3926

■ 87.2403, 0.2743,
0.3250

■ 20.7795, 0.5030,
0.3963

■ 89.5602, 0.2747,
0.3289

■ 18.5387, 0.5333,
0.3953

■ 16.6510, 0.5594,
0.3890

Harmonies

Analogous

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



47.9405, 0.3207, 0.3307



47.9405, 0.3210, 0.3341



47.9405, 0.3191, 0.3361

Triad

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



47.9405, 0.3210, 0.3341



47.9405, 0.3073, 0.3311



47.9405, 0.3099, 0.3219

Complementary

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



47.9405, 0.3210, 0.3341



47.9788, 0.3047, 0.3238

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.



47.9405, 0.3064, 0.3219



47.9405, 0.3210, 0.3341



47.9405, 0.3049, 0.3272

Square

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



47.9405, 0.3210, 0.3341



47.9405, 0.3112, 0.3344



47.9405, 0.3045, 0.3239



47.9405, 0.3142, 0.3237

Rectangle

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



47.9405, 0.3210, 0.3341



47.9405, 0.3169, 0.3365



47.9405, 0.3045, 0.3239



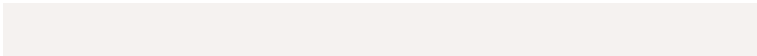
47.9405, 0.3086, 0.3217

Sweetspot

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



47.9426, 0.3210, 0.3341



89.0771, 0.3158, 0.3309



46.5841, 0.3164, 0.3212



19.1783, 0.3157, 0.3308



95.5105, 0.3127, 0.3290



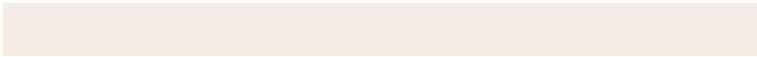
19.5994, 0.3127, 0.3290

Same Dimension

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



47.9426, 0.3210, 0.3341



85.0582, 0.3223, 0.3349



49.9771, 0.3205, 0.3402



10.4736, 0.3231, 0.3354



10.8166, 0.5684, 0.3869



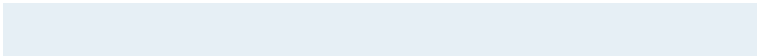
0.5520, 0.5245, 0.4217

Inverse Universe

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



47.9788, 0.3047, 0.3238



85.1326, 0.3035, 0.3230



45.9842, 0.3048, 0.3175



10.4835, 0.3028, 0.3226



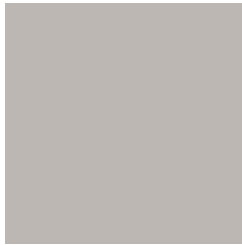
10.7033, 0.1875, 0.1949



0.5438, 0.1974, 0.2305

Previews

White Background



This preview shows how the Yxy color 47.9405, 0.3210, 0.3341 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 47.9405, 0.3210, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

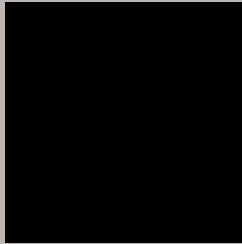
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

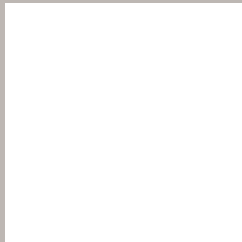
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9405, 0.3210, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 47.9405, 0.3210, 0.3341.



This preview shows how white text looks on a background with the Yxy color 47.9405, 0.3210, 0.3341.

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

47.9405, 0.3210, 0.3341

Protanopia

47.8130, 0.3202, 0.3342

Deuteranopia

47.8326, 0.3331, 0.3266



Tritanopia

48.0642, 0.3102, 0.3115

Trichromacy



Original Color

47.9405, 0.3210, 0.3341

Protanomaly

47.8130, 0.3202, 0.3342

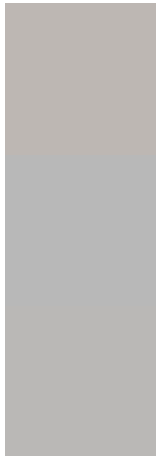
Deuteranomaly

47.9436, 0.3284, 0.3290

Tritanomaly

48.0772, 0.3140, 0.3202

Monochromacy



Original Color

47.9405, 0.3210, 0.3341

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.0975, 0.3160, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9405, 0.3210, 0.3341 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(189, 183, 179)` looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 179)  
}
```

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(189, 183, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 179) }
```

Border

The CSS property to change the border of an element to Yxy 47.9405, 0.3210, 0.3341 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(189, 183, 179) }
```

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

```
.border{ border-color:rgb(189, 183, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 179);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9405, 0.3210, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 179) }
```

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

```
.background{ background-color: rgb(189,  
183, 179) }
```

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