

Converting Colors

$Y_{xy}(49.2499, 0.3216, 0.3440)$

Have a look what the booklet for
Yxy(49.2499, 0.3216, 0.3440)
contains.

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Color

Yxy(49.2006, 0.3221, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	BBBBAF
RGB	187, 187, 175
RGB Percent	73%, 73%, 69%
CMY	0.2666, 0.2667, 0.3138
CMYK	0.00, 0.00, 0.06, 0.27
HSL	60°, 8%, 71%
HSV	60°, 6%, 73%
XYZ	46.0015, 49.2006, 47.6153
YIQ	185.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

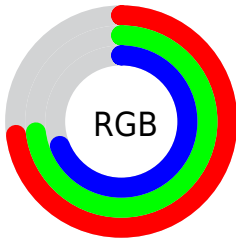
Format	Color
RYB	175, 187, 175
Decimal	12303279
CIELab	75.58, -2.16, 6.08
CIELCh	76, 6.453, 109.520
Yxy	49.2006, 0.3221, 0.3445
Android (android.graphics.Color)	4290493359 (0xFFB8B8B8)
YUV	185.6320, -5.2416, 1.1997
Hunter-Lab	70.1431, -5.6861, 8.8523

Details

The Yxy color **49.2006, 0.3221, 0.3445** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.3520, 0.3030, 0.3130**, and the grayscale version is **48.9155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9254, 0.3200, 0.3411**, and **23.5486, 0.3244, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **48.5131, 0.3370, 0.3692**, and if you desaturate by 10%, it is **49.9942, 0.3076, 0.3206**.

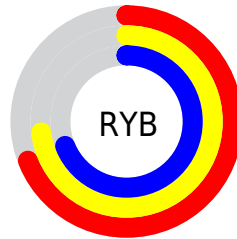
Distribution



Red (73%)

Green (73%)

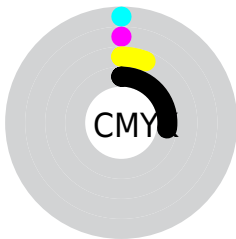
Blue (69%)



Red (69%)

Yellow (73%)

Blue (69%)

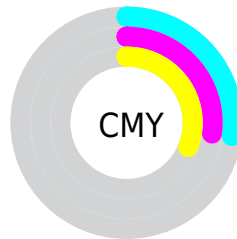


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (27%)



Cyan (27%)


Magenta (27%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2006, 0.3221, 0.3445 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 49.2006, 0.3221, 0.3445 by changing the saturation by 10% instead.


 49.2006, 0.3221,
0.3445

 49.2006, 0.3221,
0.3445


383.5315, 0.3175,
0.3368

 34.7786, 0.3232,
0.3464


 88.9893, 0.3204,
0.3417

 23.4924, 0.3247,
0.3489


115.1249, 0.3198,
0.3407

 14.9575, 0.3266,
0.3522


145.9337, 0.3193,
0.3398

 8.7896, 0.3293,
0.3567

181.8003, 0.3188,
0.3390

 4.6042, 0.3332,
0.3635

223.1089, 0.3184,
0.3383

 2.0170, 0.3394,
0.3747

270.2441, 0.3181,

 0.6173, 0.3820,

0.3378

0.4415

323.5902, 0.3177,
0.3372

0.0000, 0.0000,
0.0000

49.2006, 0.3221,
0.3445

49.2006, 0.3221,
0.3445

48.5131, 0.3370,
0.3692

49.9942, 0.3076,
0.3206

47.9210, 0.3521,
0.3940

50.8913, 0.2939,
0.2979

47.4221, 0.3668,
0.4183

51.8978, 0.2811,
0.2768

47.0116, 0.3805,
0.4410

53.0172, 0.2693,
0.2573

46.6843, 0.3927,
0.4612

53.3541, 0.2662,
0.2521

■ 46.4343, 0.4029,
0.4780

■ 53.3592, 0.2662,
0.2521

■ 46.2553, 0.4107,
0.4908

■ 53.3643, 0.2662,
0.2521

■ 46.1396, 0.4159,
0.4994

■ 53.3694, 0.2662,
0.2522

■ 46.0774, 0.4187,
0.5040

■ 53.3745, 0.2662,
0.2522

Harmonies

Analogous

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



49.2006, 0.3282, 0.3423



49.2006, 0.3221, 0.3445



49.2006, 0.3135, 0.3425

Triad

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



49.2006, 0.3221, 0.3445



49.2006, 0.2956, 0.3211



49.2006, 0.3206, 0.3215

Complementary

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



49.2006, 0.3221, 0.3445



43.3520, 0.3030, 0.3130

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.



49.2006, 0.3117, 0.3160



49.2006, 0.3221, 0.3445



49.2006, 0.2974, 0.3157

Square

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



49.2006, 0.3221, 0.3445



49.2006, 0.2983, 0.3288



49.2006, 0.3033, 0.3139



49.2006, 0.3273, 0.3290

Rectangle

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



49.2006, 0.3221, 0.3445



49.2006, 0.3076, 0.3390



49.2006, 0.3033, 0.3139



49.2006, 0.3177, 0.3194

Sweetspot

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



49.2027, 0.3221, 0.3445



88.7110, 0.3157, 0.3339



44.3180, 0.3233, 0.3288



19.5389, 0.3155, 0.3336



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.



49.2027, 0.3221, 0.3445



87.8880, 0.3246, 0.3486



48.4869, 0.3172, 0.3447



11.1195, 0.3264, 0.3517



31.7325, 0.4194, 0.5052



1.2433, 0.4194, 0.5052

Inverse Universe

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



43.3520, 0.3030, 0.3130



74.8057, 0.3004, 0.3086



44.0367, 0.3080, 0.3133



9.2263, 0.2984, 0.3053



2.4743, 0.1500, 0.0601



0.0973, 0.1501, 0.0602

Previews

White Background



This preview shows how the Yxy color 49.2006, 0.3221, 0.3445 looks on a white background.

Color Contrast Check

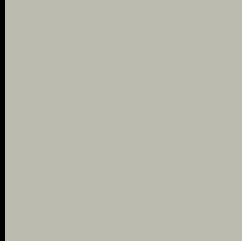
Large Text (above 18pt) WCAG AA × Fail

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 49.2006, 0.3221, 0.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

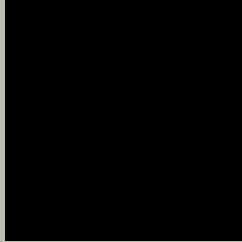
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

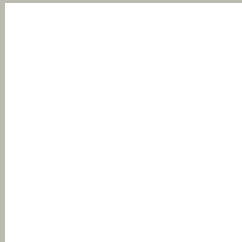
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2006, 0.3221, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 49.2006, 0.3221, 0.3445.



This preview shows how white text looks on a background with the Yxy color 49.2006, 0.3221, 0.3445.

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

49.2006, 0.3221, 0.3445

Protanopia

48.9604, 0.3274, 0.3431

Deuteranopia

49.1870, 0.3406, 0.3340



Tritanopia

49.3053, 0.3069, 0.3116

Trichromacy



Original Color

49.2006, 0.3221, 0.3445

Protanomaly

49.1210, 0.3255, 0.3444

Deuteranomaly

49.2809, 0.3330, 0.3378

Tritanomaly

49.2344, 0.3122, 0.3227

Monochromacy



Original Color

49.2006, 0.3221, 0.3445

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9343, 0.3158, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2006, 0.3221, 0.3445 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, 187, 175)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 175)  
}
```

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, 187, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 175) }
```

Border

The CSS property to change the border of an element to Yxy 49.2006, 0.3221, 0.3445 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, 187, 175) }
```

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

```
.border{ border-color:rgb(187, 187, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 175);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2006, 0.3221, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 175) }
```

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

```
.background{ background-color: rgb(187,  
187, 175) }
```

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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