

Converting Colors

$Yxy(49.6904, 0.3231, 0.3445)$

Have a look what the booklet for
Yxy(49.6904, 0.3231, 0.3445)
contains.

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Color

Yxy(49.8804, 0.3237, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	BDBCAF
RGB	189, 188, 175
RGB Percent	74%, 74%, 69%
CMY	0.2586, 0.2628, 0.3137
CMYK	0.00, 0.01, 0.07, 0.26
HSL	55°, 10%, 71%
HSV	55°, 7%, 74%
XYZ	46.7196, 49.8804, 47.7299
YIQ	186.8170, 4.7690, -3.8310

Conversions

Conversions Part 2

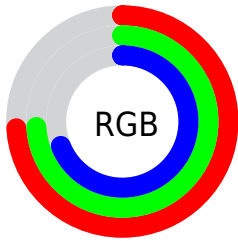
Format	Color
RYB	176, 189, 175
Decimal	12434607
CIELab	76.00, -1.93, 6.68
CIElCh	76, 6.959, 106.135
Yxy	49.8804, 0.3237, 0.3456
Android (android.graphics.Color)	4290624687 (0xFFBDBCAF)
YUV	186.8170, -5.8258, 1.9145
Hunter-Lab	70.6261, -5.5167, 9.3694

Details

The Yxy color **49.8804, 0.3237, 0.3456** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.8789, 0.3015, 0.3118**, and the grayscale version is **49.6230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8834, 0.3213, 0.3420**, and **23.9922, 0.3265, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **48.5750, 0.3391, 0.3686**, and if you desaturate by 10%, it is **51.3004, 0.3090, 0.3234**.

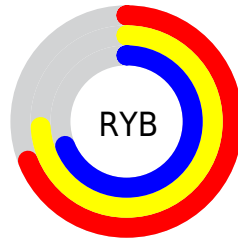
Distribution



Red (74%)

Green (74%)

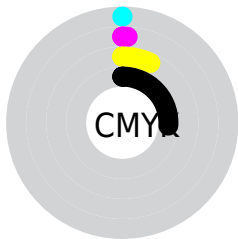
Blue (69%)



Red (69%)

Yellow (74%)

Blue (69%)

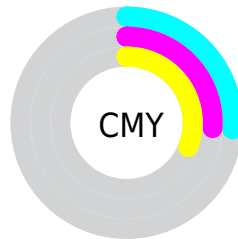


Cyan (0%)

Magenta (1%)

Yellow (7%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8804, 0.3237, 0.3456 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 49.8804, 0.3237, 0.3456 by changing the saturation by 10% instead.


 49.8804, 0.3237,
0.3456

 49.8804, 0.3237,
0.3456


386.1980, 0.3183,
0.3374

 35.3184, 0.3250,
0.3476


 89.9976, 0.3217,
0.3426

 23.9082, 0.3267,
0.3503


116.3217, 0.3210,
0.3415

 15.2656, 0.3290,
0.3537


147.3351, 0.3204,
0.3405

 9.0060, 0.3320,
0.3585

183.4224, 0.3198,
0.3397

 4.7451, 0.3366,
0.3657

224.9680, 0.3194,
0.3390

 2.0985, 0.3438,
0.3773

272.3562, 0.3190,

 0.6638, 0.3884,

0.3384

0.4417

325.9714, 0.3186,
0.3378

0.0000, 0.0000,
0.0000

49.8804, 0.3237,
0.3456

49.8804, 0.3237,
0.3456

48.5750, 0.3391,
0.3686

51.3004, 0.3090,
0.3234

47.3734, 0.3548,
0.3918

52.8324, 0.2953,
0.3023

46.2731, 0.3705,
0.4146

54.4827, 0.2825,
0.2827

45.2691, 0.3856,
0.4360

56.2547, 0.2709,
0.2645

44.3560, 0.3994,
0.4550

57.1794, 0.2685,
0.2619

■ 43.5278, 0.4114,
0.4708

■ 57.8328, 0.2686,
0.2635

■ 42.7777, 0.4210,
0.4826

■ 58.4925, 0.2688,
0.2652

■ 42.0978, 0.4280,
0.4901

■ 59.1585, 0.2689,
0.2669

■ 41.4768, 0.4324,
0.4935

■ 59.8308, 0.2691,
0.2686

Harmonies

Analogous

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



49.8804, 0.3298, 0.3427



49.8804, 0.3237, 0.3456



49.8804, 0.3147, 0.3440

Triad

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



49.8804, 0.3237, 0.3456



49.8804, 0.2944, 0.3214



49.8804, 0.3201, 0.3202

Complementary

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



49.8804, 0.3237, 0.3456



43.8789, 0.3015, 0.3118

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.



49.8804, 0.3106, 0.3146



49.8804, 0.3237, 0.3456



49.8804, 0.2958, 0.3152

Square

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



49.8804, 0.3237, 0.3456



49.8804, 0.2979, 0.3298



49.8804, 0.3017, 0.3128



49.8804, 0.3278, 0.3280

Rectangle

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



49.8804, 0.3237, 0.3456



49.8804, 0.3083, 0.3404



49.8804, 0.3017, 0.3128



49.8804, 0.3170, 0.3180

Sweetspot

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



49.8826, 0.3237, 0.3456



90.6194, 0.3157, 0.3335



44.6344, 0.3243, 0.3275



19.4930, 0.3155, 0.3333



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.



49.8826, 0.3237, 0.3456



88.8599, 0.3263, 0.3495



49.6103, 0.3186, 0.3472



10.9920, 0.3266, 0.3500



27.8326, 0.4332, 0.4942



1.1278, 0.4295, 0.4971

Inverse Universe

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



43.8789, 0.3015, 0.3118



75.7884, 0.2987, 0.3076



44.1503, 0.3065, 0.3107



9.3397, 0.2984, 0.3071



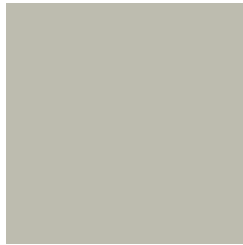
2.7378, 0.1516, 0.0657



0.1477, 0.1575, 0.0870

Previews

White Background



This preview shows how the Yxy color 49.8804, 0.3237, 0.3456 looks on a white background.

Color Contrast Check

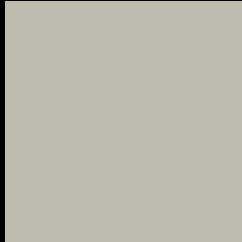
Large Text (above 18pt) WCAG AA × Fail

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 49.8804, 0.3237, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

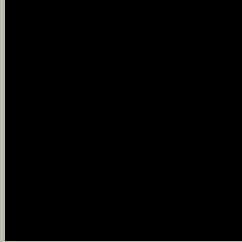
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

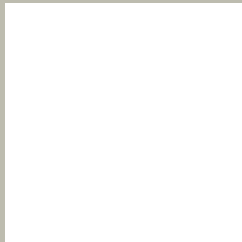
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8804, 0.3237, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 49.8804, 0.3237, 0.3456.



This preview shows how white text looks on a background with the Yxy color 49.8804, 0.3237, 0.3456.

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

49.8804, 0.3237, 0.3456

Protanopia

50.0660, 0.3289, 0.3455

Deuteranopia

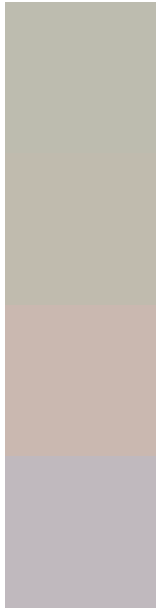
49.7376, 0.3413, 0.3352



Tritanopia

49.7420, 0.3086, 0.3105

Trichromacy



Original Color

49.8804, 0.3237, 0.3456

Protanomaly

49.8031, 0.3271, 0.3456

Deuteranomaly

49.9721, 0.3346, 0.3390

Tritanomaly

49.6221, 0.3147, 0.3228

Monochromacy



Original Color

49.8804, 0.3237, 0.3456

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6509, 0.3166, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8804, 0.3237, 0.3456 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, 188, 175)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 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(189, 188, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 175) }
```

Border

The CSS property to change the border of an element to Yxy 49.8804, 0.3237, 0.3456 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, 188, 175) }
```

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

```
.border{ border-color:rgb(189, 188, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 188, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 188, 175);  
box-shadow:4px 4px 4px 4px rgb(189, 188,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8804, 0.3237, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 175) }
```

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

```
.background{ background-color: rgb(189,  
188, 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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