

Converting Colors

$Y_{xy}(48.9952, 0.3051, 0.3141)$

Have a look what the booklet for
Yxy(48.9952, 0.3051, 0.3141)
contains.

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Color

Yxy(49.1225, 0.3051, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	BAB9C4
RGB	186, 185, 196
RGB Percent	73%, 73%, 77%
CMY	0.2706, 0.2745, 0.2313
CMYK	0.05, 0.06, 0.00, 0.23
HSL	245°, 9%, 75%
HSV	245°, 6%, 77%
XYZ	47.5636, 49.1225, 59.2089
YIQ	186.5530, -2.9350, 3.6330

Conversions

Conversions Part 2

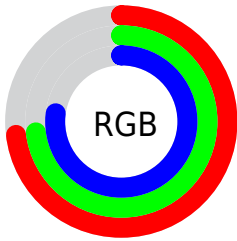
Format	Color
R _Y B	186, 185, 196
Decimal	12237252
CIE Lab	75.53, 2.45, -5.44
CIE LCh	76, 5.964, 294.222
Yxy	49.1225, 0.3051, 0.3151
Android (android.graphics.Color)	4290427332 (0xFFBAB9C4)
YUV	186.5530, 4.6574, -0.4850
Hunter-Lab	70.0874, -1.5173, -1.0262

Details

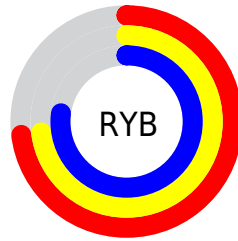
The Yxy color **49.1225, 0.3051, 0.3151** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.5955, 0.3201, 0.3426**, and the grayscale version is **49.4052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8797, 0.3062, 0.3172**, and **23.4421, 0.3034, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **39.3852, 0.2900, 0.2879**, and if you desaturate by 10%, it is **60.2732, 0.3182, 0.3391**.

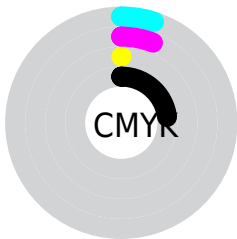
Distribution



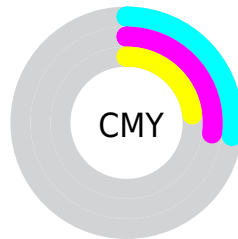
- Red (73%)
- Green (73%)
- Blue (77%)



- Red (73%)
- Yellow (73%)
- Blue (77%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)



- Cyan (27%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1225, 0.3051, 0.3151 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 49.1225, 0.3051, 0.3151 by changing the saturation by 10% instead.

■ 49.1225, 0.3051,
0.3151

■ 49.1225, 0.3051,
0.3151

■ 383.2244, 0.3089,
0.3220

■ 34.7167, 0.3042,
0.3134

■ 88.8734, 0.3065,
0.3176

■ 23.4447, 0.3030,
0.3113

■ 114.9872, 0.3070,
0.3185

■ 14.9222, 0.3014,
0.3084

■ 145.7725, 0.3074,
0.3193

■ 8.7648, 0.2991,
0.3046

■ 181.6136, 0.3078,
0.3200

■ 4.5881, 0.2958,
0.2988

■ 222.8949, 0.3081,
0.3206

■ 2.0077, 0.2905,
0.2897

■ 270.0009, 0.3084,

■ 0.6119, 0.2786,

0.3211

0.2658

323.3159, 0.3087,
0.3215

0.0000, 0.0000,
0.0000

49.1225, 0.3051,
0.3151

49.1225, 0.3051,
0.3151

39.3852, 0.2900,
0.2879

60.2732, 0.3182,
0.3391

30.9989, 0.2730,
0.2576

72.8842, 0.3296,
0.3602

23.9057, 0.2543,
0.2247

87.0077, 0.3393,
0.3784

18.0412, 0.2343,
0.1903

96.7663, 0.3478,
0.3870

13.3353, 0.2140,
0.1560

■ 9.7109, 0.1946,
0.1241

■ 7.0816, 0.1775,
0.0971

■ 5.3475, 0.1642,
0.0770

■ 4.3864, 0.1554,
0.0651

Harmonies

Analogous

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



49.1225, 0.2992, 0.3162



49.1225, 0.3051, 0.3151



49.1225, 0.3131, 0.3176

Triad

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



49.1225, 0.3051, 0.3151



49.1225, 0.3288, 0.3370



49.1225, 0.3043, 0.3350

Complementary

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



49.1225, 0.3051, 0.3151



54.5955, 0.3201, 0.3426

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.



49.1225, 0.3122, 0.3408



49.1225, 0.3051, 0.3151



49.1225, 0.3264, 0.3418

Square

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



49.1225, 0.3051, 0.3151



49.1225, 0.3269, 0.3301



49.1225, 0.3203, 0.3433



49.1225, 0.2987, 0.3277

Rectangle

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



49.1225, 0.3051, 0.3151



49.1225, 0.3186, 0.3210



49.1225, 0.3203, 0.3433



49.1225, 0.3068, 0.3372

Sweetspot

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



49.1246, 0.3051, 0.3151



95.9199, 0.3100, 0.3241



53.3758, 0.3041, 0.3278



20.5735, 0.3102, 0.3243



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



49.1246, 0.3051, 0.3151



86.1851, 0.3030, 0.3112



49.8175, 0.3096, 0.3153



10.1967, 0.3024, 0.3103



2.6586, 0.1534, 0.0619



0.1300, 0.1651, 0.0683

Inverse Universe

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



50.3784, 0.3141, 0.3167



89.0317, 0.3145, 0.3134



53.8854, 0.3157, 0.3428



10.5535, 0.3146, 0.3125



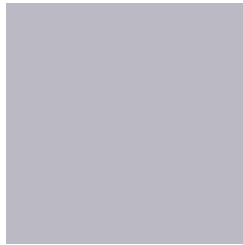
9.6197, 0.3448, 0.1673



0.4203, 0.3389, 0.1640

Previews

White Background



This preview shows how the Yxy color 49.1225, 0.3051, 0.3151 looks on a white background.

Color Contrast Check

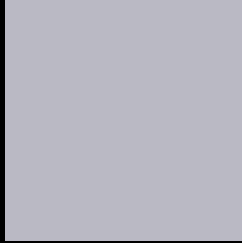
Large Text (above 18pt) WCAG AA × Fail

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 49.1225, 0.3051, 0.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

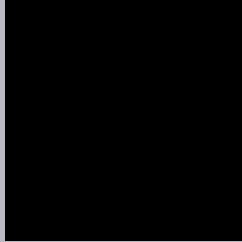
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

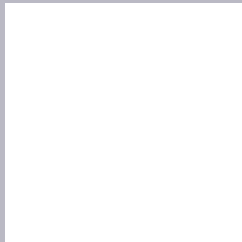
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1225, 0.3051, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 49.1225, 0.3051, 0.3151.

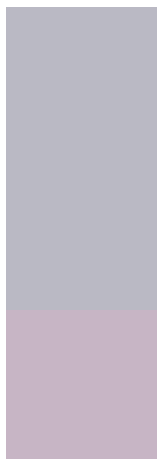


This preview shows how white text looks on a background with the Yxy color 49.1225, 0.3051, 0.3151.

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

49.1225, 0.3051, 0.3151

Protanopia

49.1225, 0.3051, 0.3151

Deuteranopia

49.2211, 0.3153, 0.3095



Tritanopia

49.2605, 0.3029, 0.3114

Trichromacy



Original Color

49.1225, 0.3051, 0.3151

Protanomaly

49.1225, 0.3051, 0.3151

Deuteranomaly

48.9564, 0.3111, 0.3104

Tritanomaly

49.2142, 0.3036, 0.3126

Monochromacy



Original Color

49.1225, 0.3051, 0.3151

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.4003, 0.3105, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1225, 0.3051, 0.3151 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, 185, 196)` looks like.

```
.text, #text, p{  
    color:rgb(186, 185, 196)  
}
```

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, 185, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 185, 196) }
```

Border

The CSS property to change the border of an element to Yxy 49.1225, 0.3051, 0.3151 is called "border". The border property can be set on classes, ids or directly on the HTML element.

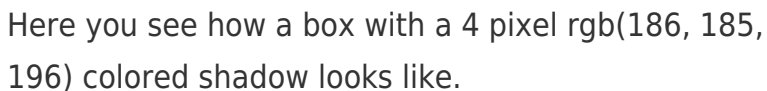
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 185, 196) }
```

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

```
.border{ border-color:rgb(186, 185, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 185, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 185, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 185, 196);  
box-shadow:4px 4px 4px 4px rgb(186, 185,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1225, 0.3051, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 185, 196) }
```

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

```
.background{ background-color: rgb(186,  
185, 196) }
```

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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