

Converting Colors

$Y_{xy}(49.5761, 0.3116, 0.3093)$

Have a look what the booklet for
Yxy(49.5761, 0.3116, 0.3093)
contains.

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Color

Yxy(49.7263, 0.3111, 0.3094)

Conversions

Conversions Part 1

Format	Color
Hex	C4B7C7
RGB	196, 183, 199
RGB Percent	77%, 72%, 78%
CMY	0.2315, 0.2823, 0.2196
CMYK	0.02, 0.08, 0.00, 0.22
HSL	289°, 12%, 75%
HSV	289°, 8%, 78%
XYZ	49.9995, 49.7263, 60.9927
YIQ	188.7110, 2.6120, 7.7320

Conversions

Conversions Part 2

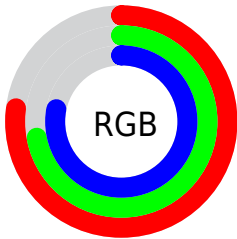
Format	Color
R_{YB}	196, 183, 199
Decimal	12892103
CIE Lab	75.90, 7.50, -6.42
CIE LCh	76, 9.872, 319.450
Yxy	49.7263, 0.3111, 0.3094
Android (android.graphics.Color)	4291082183 (0xFFC4B7C7)
YUV	188.7110, 5.0725, 6.3925
Hunter-Lab	70.5169, 3.1597, -1.9203

Details

The Yxy color $49.7263, 0.3111, 0.3094$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.7101, 0.3142, 0.3491$, and the grayscale version is $50.6833, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.8357, 0.3121, 0.3136$, and $23.7604, 0.3105, 0.3042$ is the 20% darker color. If you saturate the color by 10%, you get $41.5905, 0.3087, 0.2839$, and if you desaturate by 10%, it is $59.0397, 0.3131, 0.3337$.

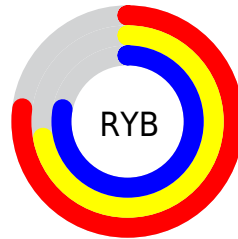
Distribution



Red (77%)

Green (72%)

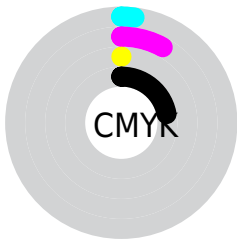
Blue (78%)



Red (77%)

Yellow (72%)

Blue (78%)

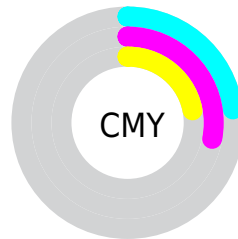


Cyan (2%)

Magenta (8%)

Yellow (0%)

Black (22%)



Cyan (23%)


Magenta (28%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7263, 0.3111, 0.3094 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 49.7263, 0.3111, 0.3094 by changing the saturation by 10% instead.


 49.7263, 0.3111,
0.3094

 49.7263, 0.3111,
0.3094


385.5946, 0.3120,
0.3190

 35.1960, 0.3109,
0.3071


 89.7692, 0.3114,
0.3128

 23.8139, 0.3106,
0.3041


116.0506, 0.3115,
0.3141

 15.1956, 0.3102,
0.3003


147.0178, 0.3116,
0.3152

 8.9568, 0.3096,
0.2950

183.0552, 0.3117,
0.3162

 4.7130, 0.3086,
0.2874

224.5472, 0.3118,
0.3170

 2.0799, 0.3070,
0.2754

271.8781, 0.3119,

 0.6533, 0.3056,

0.3178

0.2483

325.4325, 0.3119,
0.3184

0.0000, 0.0000,
0.0000

49.7263, 0.3111,
0.3094

49.7263, 0.3111,
0.3094

41.5905, 0.3087,
0.2839

59.0397, 0.3131,
0.3337

34.5774, 0.3057,
0.2578

69.5701, 0.3146,
0.3564

28.6372, 0.3022,
0.2317

81.3626, 0.3158,
0.3774

23.7139, 0.2983,
0.2067

89.5026, 0.3173,
0.3893

19.7462, 0.2938,
0.1837

90.0673, 0.3197,
0.3888

■ 16.6663, 0.2891,
0.1637

■ 90.6451, 0.3221,
0.3884

■ 14.3974, 0.2841,
0.1478

■ 91.2362, 0.3245,
0.3880

■ 12.8493, 0.2790,
0.1363

■ 91.8407, 0.3270,
0.3875

■ 11.8871, 0.2740,
0.1290

■ 92.4587, 0.3294,
0.3871

Harmonies

Analogous

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



49.7263, 0.2983, 0.3061



49.7263, 0.3111, 0.3094



49.7263, 0.3246, 0.3176

Triad

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



49.7263, 0.3111, 0.3094



49.7263, 0.3364, 0.3491



49.7263, 0.2908, 0.3286

Complementary

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



49.7263, 0.3111, 0.3094



54.7101, 0.3142, 0.3491

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.



49.7263, 0.3007, 0.3408



49.7263, 0.3111, 0.3094



49.7263, 0.3270, 0.3527

Square

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



49.7263, 0.3111, 0.3094



49.7263, 0.3394, 0.3403



49.7263, 0.3139, 0.3497



49.7263, 0.2868, 0.3169

Rectangle

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



49.7263, 0.3111, 0.3094



49.7263, 0.3321, 0.3249



49.7263, 0.3139, 0.3497



49.7263, 0.2936, 0.3328

Sweetspot

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



49.7284, 0.3111, 0.3094



96.6060, 0.3123, 0.3241



49.4005, 0.3005, 0.3128



20.7132, 0.3124, 0.3244



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.



49.7284, 0.3111, 0.3094



83.8894, 0.3106, 0.3041



49.9199, 0.3174, 0.3153



10.7110, 0.3108, 0.3060



7.5754, 0.2737, 0.1282



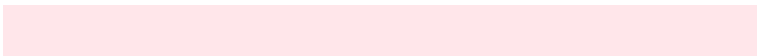
0.3857, 0.2841, 0.1339

Inverse Universe

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



49.5631, 0.3239, 0.3253



83.5358, 0.3272, 0.3243



54.5372, 0.3083, 0.3431



10.6693, 0.3260, 0.3246



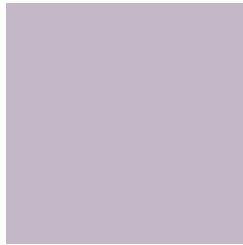
7.9064, 0.6082, 0.3124



0.3845, 0.5514, 0.2811

Previews

White Background



This preview shows how the Yxy color 49.7263, 0.3111, 0.3094 looks on a white background.

Color Contrast Check

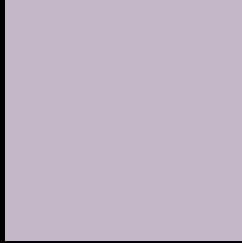
Large Text (above 18pt) WCAG AA × Fail

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 49.7263, 0.3111, 0.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

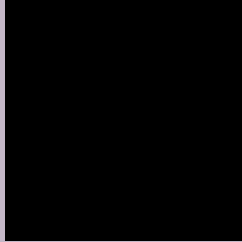
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7263, 0.3111, 0.3094

Background



This preview shows how black text looks on a background with the Yxy color 49.7263, 0.3111, 0.3094.



This preview shows how white text looks on a background with the Yxy color 49.7263, 0.3111, 0.3094.

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

49.7263, 0.3111, 0.3094

Protanopia

49.7740, 0.3014, 0.3102

Deuteranopia

49.8588, 0.3145, 0.3084



Tritanopia

49.6800, 0.3119, 0.3106

Trichromacy



Original Color

49.7263, 0.3111, 0.3094

Protanomaly

49.8152, 0.3054, 0.3104

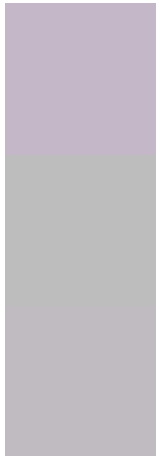
Deuteranomaly

49.7215, 0.3137, 0.3083

Tritanomaly

49.6800, 0.3119, 0.3106

Monochromacy



Original Color

49.7263, 0.3111, 0.3094

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.5974, 0.3122, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7263, 0.3111, 0.3094 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(196, 183, 199)` looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 199)  
}
```

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(196, 183, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 199) }
```

Border

The CSS property to change the border of an element to Yxy 49.7263, 0.3111, 0.3094 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(196, 183, 199) }
```

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

```
.border{ border-color:rgb(196, 183, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 183, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 183, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 183, 199);  
box-shadow:4px 4px 4px 4px rgb(196, 183,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7263, 0.3111, 0.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 183, 199) }
```

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

```
.background{ background-color: rgb(196,  
183, 199) }
```

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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