

Converting Colors

$Y_{xy}(49.6340, 0.3127, 0.3118)$

Have a look what the booklet for
Yxy(49.6340, 0.3127, 0.3118)
contains.

Yxy(49.6340, 0.3127, 0.3118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.6340, 0.3127, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	C4B7C5
RGB	196, 183, 197
RGB Percent	77%, 72%, 77%
CMY	0.2313, 0.2823, 0.2275
CMYK	0.00, 0.07, 0.00, 0.23
HSL	296°, 11%, 75%
HSV	296°, 7%, 77%
XYZ	49.7773, 49.6340, 59.7741
YIQ	188.4830, 3.2540, 7.1100

Conversions

Conversions Part 2

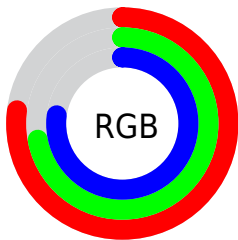
Format	Color
R _Y B	196, 183, 197
Decimal	12892101
CIE Lab	75.84, 7.15, -5.41
CIE LCh	76, 8.964, 322.874
Yxy	49.6340, 0.3127, 0.3118
Android (android.graphics.Color)	4291082181 (0xFFC4B7C5)
YUV	188.4830, 4.1989, 6.5924
Hunter-Lab	70.4514, 2.8288, -0.9883

Details

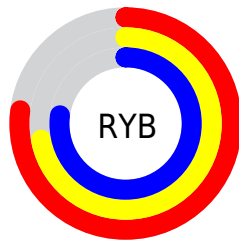
The Yxy color $49.6340, 0.3127, 0.3118$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $53.5360, 0.3127, 0.3467$, and the grayscale version is $50.5542, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.7714, 0.3127, 0.3145$, and $23.6992, 0.3126, 0.3074$ is the 20% darker color. If you saturate the color by 10%, you get $41.8859, 0.3125, 0.2868$, and if you desaturate by 10%, it is $58.5254, 0.3127, 0.3359$.

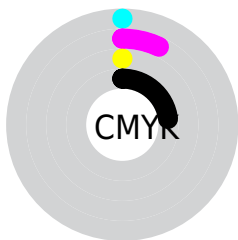
Distribution



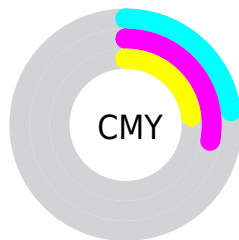
- Red (77%)
- Green (72%)
- Blue (77%)



- Red (77%)
- Yellow (72%)
- Blue (77%)



- Cyan (0%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)





- Cyan (23%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6340, 0.3127, 0.3118 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 49.6340, 0.3127, 0.3118 by changing the saturation by 10% instead.

 49.6340, 0.3127,
0.3118

 49.6340, 0.3127,
0.3118


385.2329, 0.3128,
0.3202

 35.1227, 0.3127,
0.3098


 89.6324, 0.3127,
0.3148

 23.7574, 0.3126,
0.3072


115.8882, 0.3127,
0.3160

 15.1537, 0.3126,
0.3038


146.8276, 0.3127,
0.3169

 8.9274, 0.3124,
0.2991

182.8351, 0.3128,
0.3178

 4.6938, 0.3122,
0.2923

224.2949, 0.3128,
0.3185

 2.0688, 0.3118,
0.2817

271.5916, 0.3128,

 0.6470, 0.3128,

0.3191

0.2563

325.1095, 0.3128,
0.3197

0.0000, 0.0000,
0.0000

49.6340, 0.3127,
0.3118

49.6340, 0.3127,
0.3118

41.8859, 0.3125,
0.2868

58.5254, 0.3127,
0.3359

35.2277, 0.3122,
0.2616

68.5980, 0.3126,
0.3586

29.6113, 0.3116,
0.2368

79.8957, 0.3124,
0.3797

24.9825, 0.3109,
0.2133

88.0429, 0.3125,
0.3926

21.2822, 0.3098,
0.1923

88.2360, 0.3133,
0.3925

■ 18.4451, 0.3086,
0.1745

■ 88.4308, 0.3142,
0.3923

■ 16.3973, 0.3071,
0.1606

■ 88.6273, 0.3151,
0.3922

■ 15.0524, 0.3055,
0.1511

■ 88.8256, 0.3159,
0.3920

■ 14.2925, 0.3038,
0.1457

■ 89.0256, 0.3168,
0.3918

Harmonies

Analogous

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



49.6340, 0.3008, 0.3083



49.6340, 0.3127, 0.3118



49.6340, 0.3248, 0.3197

Triad

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



49.6340, 0.3127, 0.3118



49.6340, 0.3335, 0.3480



49.6340, 0.2921, 0.3274

Complementary

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



49.6340, 0.3127, 0.3118



53.5360, 0.3127, 0.3467

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.



49.6340, 0.3006, 0.3385



49.6340, 0.3127, 0.3118



49.6340, 0.3245, 0.3505

Square

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



49.6340, 0.3127, 0.3118



49.6340, 0.3370, 0.3404



49.6340, 0.3124, 0.3471



49.6340, 0.2891, 0.3170

Rectangle

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



49.6340, 0.3127, 0.3118



49.6340, 0.3313, 0.3265



49.6340, 0.3124, 0.3471



49.6340, 0.2944, 0.3312

Sweetspot

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



49.6361, 0.3127, 0.3118



96.7213, 0.3127, 0.3241



48.4496, 0.3019, 0.3127



20.7367, 0.3127, 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.



49.6361, 0.3127, 0.3118



85.9173, 0.3127, 0.3068



49.5061, 0.3181, 0.3189



10.7773, 0.3127, 0.3062



9.3030, 0.3035, 0.1446



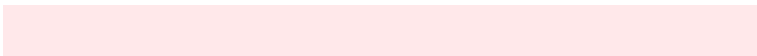
0.4521, 0.3074, 0.1467

Inverse Universe

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



49.1974, 0.3239, 0.3278



84.9224, 0.3274, 0.3275



53.6630, 0.3077, 0.3393



10.6488, 0.3279, 0.3274



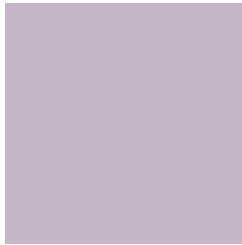
7.8329, 0.6315, 0.3253



0.3752, 0.6031, 0.3096

Previews

White Background



This preview shows how the Yxy color 49.6340, 0.3127, 0.3118 looks on a white background.

Color Contrast Check

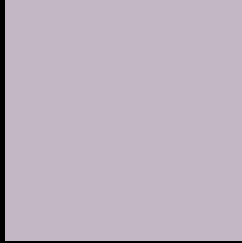
Large Text (above 18pt) WCAG AA × Fail

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 49.6340, 0.3127, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

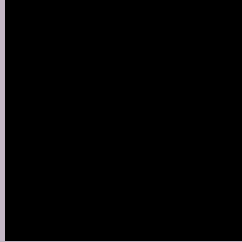
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

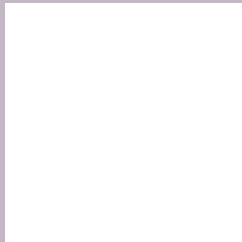
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6340, 0.3127, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 49.6340, 0.3127, 0.3118.



This preview shows how white text looks on a background with the Yxy color 49.6340, 0.3127, 0.3118.

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

49.6340, 0.3127, 0.3118

Protanopia

49.8061, 0.3037, 0.3127

Deuteranopia

49.3583, 0.3162, 0.3095



Tritanopia

49.6340, 0.3127, 0.3118

Trichromacy



Original Color

49.6340, 0.3127, 0.3118

Protanomaly

49.7223, 0.3069, 0.3128

Deuteranomaly

49.6292, 0.3153, 0.3107

Tritanomaly

49.6340, 0.3127, 0.3118

Monochromacy



Original Color

49.6340, 0.3127, 0.3118

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9558, 0.3130, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6340, 0.3127, 0.3118 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 197) }
```

Border

The CSS property to change the border of an element to Yxy 49.6340, 0.3127, 0.3118 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, 197) }
```

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

```
.border{ border-color:rgb(196, 183, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 183, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 183, 197);  
box-shadow:4px 4px 4px 4px rgb(196, 183,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6340, 0.3127, 0.3118 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, 197) }
```

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

```
.background{ background-color: rgb(196,  
183, 197) }
```

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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