

Converting Colors

$Y_{xy}(21.9572, 0.3844, 0.3003)$

Have a look what the booklet for
Yxy(21.9572, 0.3844, 0.3003)
contains.

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Color

Yxy(21.9869, 0.3833, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	B46C80
RGB	180, 108, 128
RGB Percent	71%, 42%, 50%
CMY	0.2941, 0.5765, 0.4979
CMYK	0.00, 0.40, 0.29, 0.29
HSL	343°, 32%, 56%
HSV	343°, 40%, 71%
XYZ	28.0826, 21.9869, 23.1958
YIQ	131.8080, 36.4920, 21.4840

Conversions

Conversions Part 2

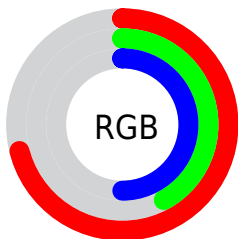
Format	Color
R_{YB}	180, 108, 128
Decimal	11824256
CIE _{Lab}	54.01, 31.24, 1.26
CIE _{LCh}	54, 31.264, 2.317
Yxy	21.9869, 0.3833, 0.3001
Android (android.graphics.Color)	4290014336 (0xFFB46C80)
YUV	131.8080, -1.8773, 42.2644
Hunter-Lab	46.8902, 24.8459, 3.4934

Details

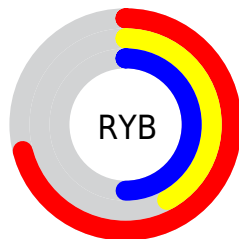
The Yxy color **21.9869, 0.3833, 0.3001** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **38.3675, 0.2713, 0.3608**, and the grayscale version is **22.9997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8305, 0.3669, 0.3068**, and **8.0524, 0.4107, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **18.2545, 0.4109, 0.2933**, and if you desaturate by 10%, it is **26.5491, 0.3601, 0.3075**.

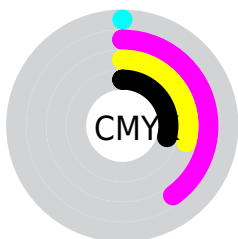
Distribution



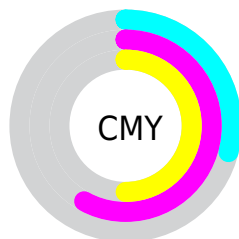
- Red (71%)
- Green (42%)
- Blue (50%)



- Red (71%)
- Yellow (42%)
- Blue (50%)



- Cyan (0%)
- Magenta (40%)
- Yellow (29%)
- Black (29%)




- Cyan (29%)
- Magenta (58%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9869, 0.3833, 0.3001 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 21.9869, 0.3833, 0.3001 by changing the saturation by 10% instead.


 21.9869, 0.3833,
0.3001


 21.9869, 0.3833,
0.3001


262.4779, 0.3436,
0.3165


 13.8473, 0.3950,
0.2952


 46.7243, 0.3676,
0.3066

 8.0145, 0.4113,
0.2883

 64.0910, 0.3621,
0.3089

 4.1042, 0.4355,
0.2781

 85.3020, 0.3576,
0.3107

 1.7320, 0.4749,
0.2611

 110.7419, 0.3539,
0.3123

 0.4443, 0.5950,
0.2143

140.7951, 0.3507,
0.3136

 0.0000, 1.0000,
0.0000

175.8458, 0.3480,

 0.0000, 0.0000,

0.3147

0.0000

216.2786, 0.3456,
0.3157

■ 21.9869, 0.3833,
0.3001

■ 21.9869, 0.3833,
0.3001

■ 18.2545, 0.4109,
0.2933

■ 26.5491, 0.3601,
0.3075

■ 15.2983, 0.4430,
0.2879

■ 31.9838, 0.3410,
0.3150

■ 13.0638, 0.4788,
0.2850


■ 38.3347, 0.3254,
0.3222


■ 11.4877, 0.5162,
0.2856


■ 45.6416, 0.3127,
0.3290

■ 10.4955, 0.5520,
0.2906

■ 53.9419, 0.3023,
0.3353

 9.9342, 0.5834,
0.2987

 63.2711, 0.2939,
0.3411

 9.9341, 0.5834,
0.2987

 73.6628, 0.2869,
0.3463

 85.1493, 0.2812,
0.3511

 87.8136, 0.2750,
0.3398

Harmonies

Analogous

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



21.9869, 0.3282, 0.2654



21.9869, 0.3833, 0.3001



21.9869, 0.4189, 0.3426

Triad

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



21.9869, 0.3833, 0.3001



21.9869, 0.3453, 0.4310



21.9869, 0.2133, 0.2602

Complementary

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



21.9869, 0.3833, 0.3001



38.3675, 0.2713, 0.3608

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.



21.9869, 0.2169, 0.3004



21.9869, 0.3833, 0.3001



21.9869, 0.2903, 0.4076

Square

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



21.9869, 0.3833, 0.3001



21.9869, 0.3940, 0.4198



21.9869, 0.2439, 0.3561



21.9869, 0.2328, 0.2419

Rectangle

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



21.9869, 0.3833, 0.3001



21.9869, 0.4248, 0.3718



21.9869, 0.2439, 0.3561



21.9869, 0.2119, 0.2713

Sweetspot

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



21.9880, 0.3833, 0.3001



66.8221, 0.3286, 0.3206



21.4531, 0.2940, 0.2251



14.1155, 0.3305, 0.3197



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



21.9880, 0.3833, 0.3001



33.8216, 0.4074, 0.2941



25.1015, 0.4023, 0.3520



8.5428, 0.3245, 0.3227



6.9435, 0.5803, 0.2970



0.2286, 0.4998, 0.2527

Inverse Universe

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



21.9880, 0.3833, 0.3001



33.8216, 0.4074, 0.2941



33.1777, 0.2546, 0.3042



8.5428, 0.3245, 0.3227



6.9435, 0.5803, 0.2970



0.2286, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 21.9869, 0.3833, 0.3001 looks on a white background.

Color Contrast Check

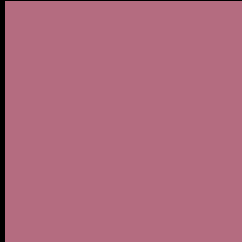
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9869, 0.3833, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

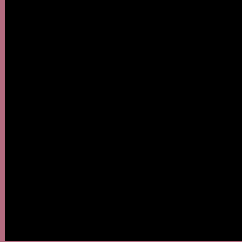
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9869, 0.3833, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 21.9869, 0.3833, 0.3001.



This preview shows how white text looks on a background with the Yxy color 21.9869, 0.3833, 0.3001.

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

21.9869, 0.3833, 0.3001

Protanopia

22.2611, 0.3011, 0.3098

Deuteranopia

22.0772, 0.3359, 0.3291



Tritanopia

22.0436, 0.3952, 0.3175

Trichromacy



Original Color

21.9869, 0.3833, 0.3001

Protanomaly

21.7482, 0.3286, 0.3042

Deuteranomaly

21.8681, 0.3526, 0.3178

Tritanomaly

21.9261, 0.3900, 0.3102

Monochromacy



Original Color

21.9869, 0.3833, 0.3001

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.1942, 0.3354, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9869, 0.3833, 0.3001 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(180, 108, 128)` looks like.

```
.text, #text, p{  
    color:rgb(180, 108, 128)  
}
```

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(180, 108, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 108, 128) }
```

Border

The CSS property to change the border of an element to Yxy 21.9869, 0.3833, 0.3001 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(180, 108, 128) }
```

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

```
.border{ border-color:rgb(180, 108, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 108, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 108, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 108, 128);  
box-shadow:4px 4px 4px 4px rgb(180, 108,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9869, 0.3833, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 108, 128) }
```

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

```
.background{ background-color: rgb(180,  
108, 128) }
```

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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