

Converting Colors

$Yxy(41.8362, 0.3197, 0.3314)$

Have a look what the booklet for
Yxy(41.8362, 0.3197, 0.3314)
contains.

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Color

Yxy(41.8723, 0.3198, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	B2ACAA
RGB	178, 172, 170
RGB Percent	70%, 67%, 67%
CMY	0.3019, 0.3255, 0.3333
CMYK	0.00, 0.03, 0.04, 0.30
HSL	15°, 5%, 68%
HSV	15°, 4%, 70%
XYZ	40.3701, 41.8723, 43.9931
YIQ	173.5660, 4.2180, 0.6500

Conversions

Conversions Part 2

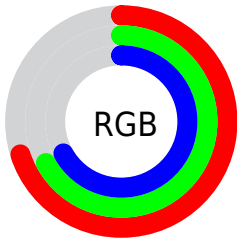
Format	Color
RYB	178, 173, 170
Decimal	11709610
CIELab	70.78, 1.78, 1.77
CIELCh	71, 2.512, 44.792
Yxy	41.8723, 0.3198, 0.3317
Android (android.graphics.Color)	4289899690 (0xFFB2ACAA)
YUV	173.5660, -1.7580, 3.8886
Hunter-Lab	64.7088, -1.8790, 4.9872

Details

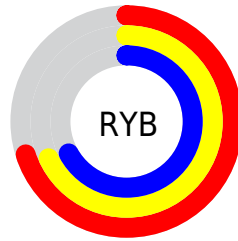
The Yxy color **41.8723, 0.3198, 0.3317** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.8213, 0.3059, 0.3263**, and the grayscale version is **42.1025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8668, 0.3189, 0.3311**, and **19.1009, 0.3213, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **36.4063, 0.3378, 0.3380**, and if you desaturate by 10%, it is **47.9459, 0.3048, 0.3258**.

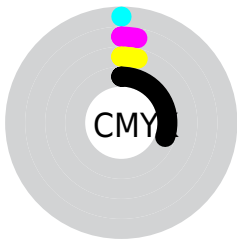
Distribution



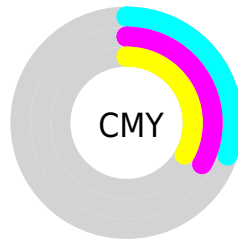
- Red (70%)
- Green (67%)
- Blue (67%)



- Red (70%)
- Yellow (68%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (30%)




- Cyan (30%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8723, 0.3198, 0.3317 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 41.8723, 0.3198, 0.3317 by changing the saturation by 10% instead.


 41.8723, 0.3198,
0.3317

 41.8723, 0.3198,
0.3317


353.9533, 0.3162,
0.3303

 29.0013, 0.3207,
0.3320

 78.0063, 0.3185,
0.3312

 19.0818, 0.3219,
0.3325


102.0381, 0.3180,
0.3310

 11.7294, 0.3236,
0.3331


130.5590, 0.3176,
0.3309

 6.5597, 0.3259,
0.3339

163.9534, 0.3172,
0.3307

 3.1883, 0.3295,
0.3352

202.6056, 0.3169,
0.3306

 1.2308, 0.3358,
0.3374

246.9000, 0.3166,

 0.0867, 0.5923,

0.3305

0.4077

297.2212, 0.3164,
0.3304

0.0000, 0.0000,
0.0000

41.8723, 0.3198,
0.3317

41.8723, 0.3198,
0.3317

36.4063, 0.3378,
0.3380

47.9459, 0.3048,
0.3258

31.5237, 0.3593,
0.3447

54.6396, 0.2922,
0.3204

27.2066, 0.3849,
0.3516

61.9723, 0.2816,
0.3155

23.4343, 0.4148,
0.3582

69.9604, 0.2727,
0.3110

20.1846, 0.4491,
0.3639

78.3582, 0.2671,
0.3112

■ 17.4339, 0.4868,
0.3679

■ 86.4798, 0.2688,
0.3259

■ 15.1565, 0.5259,
0.3691

■ 88.2054, 0.2691,
0.3289

■ 13.3245, 0.5627,
0.3666

■ 11.9065, 0.5933,
0.3600

Harmonies

Analogous

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



41.8723, 0.3184, 0.3285



41.8723, 0.3198, 0.3317



41.8723, 0.3193, 0.3342

Triad

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



41.8723, 0.3198, 0.3317



41.8723, 0.3100, 0.3326



41.8723, 0.3084, 0.3228

Complementary

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



41.8723, 0.3198, 0.3317



42.8213, 0.3059, 0.3263

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.



41.8723, 0.3062, 0.3238



41.8723, 0.3198, 0.3317



41.8723, 0.3071, 0.3295

Square

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



41.8723, 0.3198, 0.3317



41.8723, 0.3137, 0.3347



41.8723, 0.3057, 0.3263



41.8723, 0.3118, 0.3234

Rectangle

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



41.8723, 0.3198, 0.3317



41.8723, 0.3180, 0.3351



41.8723, 0.3057, 0.3263



41.8723, 0.3075, 0.3229

Sweetspot

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



41.8741, 0.3198, 0.3317



79.6262, 0.3143, 0.3296



41.3619, 0.3148, 0.3208



17.6541, 0.3142, 0.3296



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.



41.8741, 0.3198, 0.3317



75.3068, 0.3208, 0.3321



43.3698, 0.3194, 0.3369



9.3072, 0.3216, 0.3324



8.1587, 0.6057, 0.3573



0.3506, 0.5510, 0.4007

Inverse Universe

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



42.8213, 0.3059, 0.3263



77.2463, 0.3050, 0.3259



41.3239, 0.3060, 0.3210



9.5718, 0.3042, 0.3256



14.5607, 0.2022, 0.2478



0.5438, 0.2092, 0.2730

Previews

White Background



This preview shows how the Yxy color 41.8723, 0.3198, 0.3317 looks on a white background.

Color Contrast Check

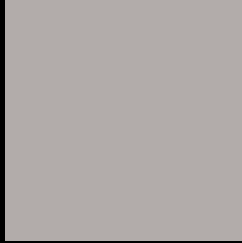
Large Text (above 18pt) WCAG AA × Fail

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 41.8723, 0.3198, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

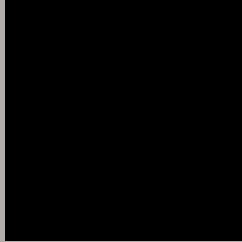
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

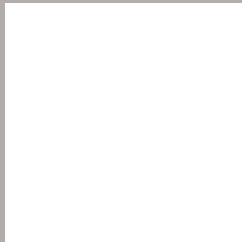
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8723, 0.3198, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 41.8723, 0.3198, 0.3317.



This preview shows how white text looks on a background with the Yxy color 41.8723, 0.3198, 0.3317.

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

41.8723, 0.3198, 0.3317

Protanopia

41.7544, 0.3189, 0.3317

Deuteranopia

42.0219, 0.3315, 0.3251



Tritanopia

41.8716, 0.3108, 0.3118

Trichromacy



Original Color

41.8723, 0.3198, 0.3317

Protanomaly

41.7544, 0.3189, 0.3317

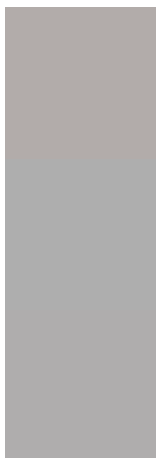
Deuteranomaly

41.7553, 0.3267, 0.3264

Tritanomaly

41.9239, 0.3141, 0.3197

Monochromacy



Original Color

41.8723, 0.3198, 0.3317

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.0182, 0.3145, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8723, 0.3198, 0.3317 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(178, 172, 170)` looks like.

```
.text, #text, p{  
    color:rgb(178, 172, 170)  
}
```

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(178, 172, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 172, 170) }
```

Border

The CSS property to change the border of an element to Yxy 41.8723, 0.3198, 0.3317 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(178, 172, 170) }
```

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

```
.border{ border-color:rgb(178, 172, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 172, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 172, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 172, 170);  
box-shadow:4px 4px 4px 4px rgb(178, 172,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8723, 0.3198, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 172, 170) }
```

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

```
.background{ background-color: rgb(178,  
172, 170) }
```

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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