

Converting Colors

$Y_{xy}(27.7668, 0.3834, 0.3498)$

Have a look what the booklet for
Yxy(27.7668, 0.3834, 0.3498)
contains.

Yxy(27.8103, 0.3839, 0.3495)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8103, 0.3839, 0.3495)

Conversions

Conversions Part 1

Format	Color
Hex	B48577
RGB	180, 133, 119
RGB Percent	71%, 52%, 47%
CMY	0.2939, 0.4785, 0.5333
CMYK	0.00, 0.26, 0.34, 0.29
HSL	14°, 29%, 59%
HSV	14°, 34%, 71%
XYZ	30.5476, 27.8103, 21.2138
YIQ	145.4570, 32.5060, 5.6100

Conversions

Conversions Part 2

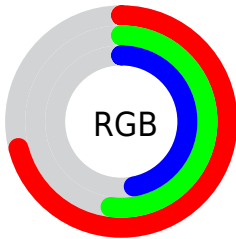
Format	Color
R_{YB}	180, 137, 119
Decimal	11830647
CIE Lab	59.72, 16.12, 14.60
CIE LCh	60, 21.754, 42.163
Yxy	27.8103, 0.3839, 0.3495
Android (android.graphics.Color)	4290020727 (0xFFB48577)
YUV	145.4570, -13.0433, 30.2942
Hunter-Lab	52.7355, 11.1109, 13.0643

Details

The Yxy color $27.8103, 0.3839, 0.3495$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $34.5172, 0.2626, 0.3073$, and the grayscale version is $28.5571, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.0626, 0.3691, 0.3459$, and $11.0771, 0.4096, 0.3535$ is the 20% darker color. If you saturate the color by 10%, you get $23.8664, 0.4141, 0.3556$, and if you desaturate by 10%, it is $32.3412, 0.3583, 0.3432$.

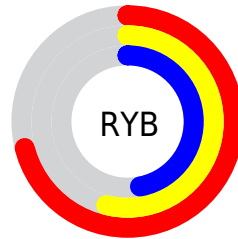
Distribution



Red (71%)

Green (52%)

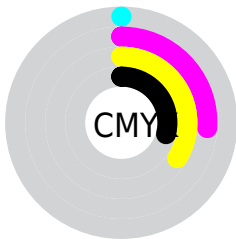
Blue (47%)



Red (71%)

Yellow (54%)

Blue (47%)

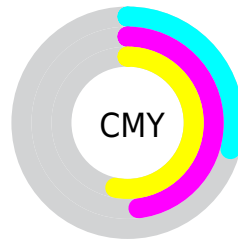


Cyan (0%)

Magenta (26%)

Yellow (34%)

Black (29%)



Cyan (29%)


Magenta (48%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8103, 0.3839, 0.3495 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 27.8103, 0.3839, 0.3495 by changing the saturation by 10% instead.


 27.8103, 0.3839,
0.3495


 27.8103, 0.3839,
0.3495


291.5593, 0.3449,
0.3394


 18.1827, 0.3949,
0.3519


 56.1814, 0.3688,
0.3459

 11.0812, 0.4097,
0.3547


 75.6938, 0.3635,
0.3445

 6.1215, 0.4310,
0.3581

 99.2698, 0.3590,
0.3433

 2.9191, 0.4635,
0.3617

127.2939, 0.3553,
0.3423

 1.0896, 0.5566,
0.3896

160.1506, 0.3521,
0.3414

 0.0000, 1.0000,
0.0000

198.2241, 0.3494,

 0.0000, 0.0000,

0.3407

0.0000

241.8989, 0.3470,
0.3400

■ 27.8103, 0.3839,
0.3495

■ 27.8103, 0.3839,
0.3495

■ 23.8664, 0.4141,
0.3556

■ 32.3412, 0.3583,
0.3432

■ 20.4813, 0.4488,
0.3609

■ 37.4778, 0.3368,
0.3370

■ 17.6304, 0.4872,
0.3646

■ 43.2430, 0.3189,
0.3312


■ 15.2856, 0.5271,
0.3657


■ 49.6572, 0.3039,
0.3258


■ 13.4162, 0.5649,
0.3633

■ 56.7401, 0.2915,
0.3208

 11.9877, 0.5961,
0.3570

 64.5102, 0.2811,
0.3163

 11.3098, 0.6118,
0.3524

 72.9855, 0.2723,
0.3122

 81.6542, 0.2688,
0.3170

 88.4484, 0.2701,
0.3289

Harmonies

Analogous

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



27.8103, 0.3674, 0.3198



27.8103, 0.3839, 0.3495



27.8103, 0.3799, 0.3762

Triad

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



27.8103, 0.3839, 0.3495



27.8103, 0.2880, 0.3688



27.8103, 0.2676, 0.2700

Complementary

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



27.8103, 0.3839, 0.3495



34.5172, 0.2626, 0.3073

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.



27.8103, 0.2491, 0.2788



27.8103, 0.3839, 0.3495



27.8103, 0.2602, 0.3351

Square

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



27.8103, 0.3839, 0.3495



27.8103, 0.3234, 0.3904



27.8103, 0.2464, 0.3018



27.8103, 0.2987, 0.2756

Rectangle

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



27.8103, 0.3839, 0.3495



27.8103, 0.3665, 0.3885



27.8103, 0.2464, 0.3018



27.8103, 0.2598, 0.2713

Sweetspot

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



27.8116, 0.3839, 0.3495



71.6786, 0.3297, 0.3348



25.6881, 0.3312, 0.2627



15.1869, 0.3323, 0.3356



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.



27.8116, 0.3839, 0.3495



44.7346, 0.4071, 0.3543



37.1465, 0.3702, 0.3905



8.8106, 0.3282, 0.3343



7.9762, 0.6098, 0.3540



0.3398, 0.5563, 0.3965

Inverse Universe

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



34.5172, 0.2626, 0.3073



58.7896, 0.2522, 0.3015



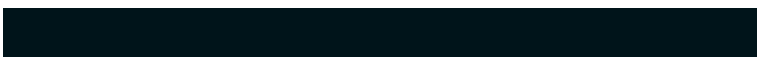
24.9137, 0.2564, 0.2586



9.2950, 0.2986, 0.3237



15.2493, 0.2040, 0.2545



0.5608, 0.2105, 0.2776

Previews

White Background



This preview shows how the Yxy color 27.8103, 0.3839, 0.3495 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 27.8103, 0.3839, 0.3495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

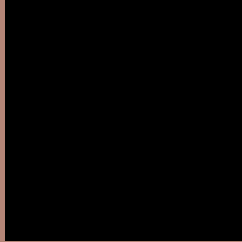
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8103, 0.3839, 0.3495

Background



This preview shows how black text looks on a background with the Yxy color 27.8103, 0.3839, 0.3495.



This preview shows how white text looks on a background with the Yxy color 27.8103, 0.3839, 0.3495.

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

27.8103, 0.3839, 0.3495

Protanopia

27.9811, 0.3406, 0.3614

Deuteranopia

27.9887, 0.3671, 0.3613



Tritanopia

27.8038, 0.3625, 0.3149

Trichromacy



Original Color

27.8103, 0.3839, 0.3495

Protanomaly

27.8427, 0.3565, 0.3572

Deuteranomaly

27.9700, 0.3738, 0.3577

Tritanomaly

27.7223, 0.3705, 0.3277

Monochromacy



Original Color

27.8103, 0.3839, 0.3495

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.0964, 0.3366, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8103, 0.3839, 0.3495 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, 133, 119)` looks like.

```
.text, #text, p{  
    color:rgb(180, 133, 119)  
}
```

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, 133, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 133, 119) }
```

Border

The CSS property to change the border of an element to Yxy 27.8103, 0.3839, 0.3495 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, 133, 119) }
```

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

```
.border{ border-color:rgb(180, 133, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 133, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 133, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 133, 119);  
box-shadow:4px 4px 4px 4px rgb(180, 133,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8103, 0.3839, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 133, 119) }
```

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

```
.background{ background-color: rgb(180,  
133, 119) }
```

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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