

Converting Colors

$Y_{xy}(28.2345, 0.3812, 0.3680)$

Have a look what the booklet for
Yxy(28.2345, 0.3812, 0.3680)
contains.

Yxy(28.2310, 0.3812, 0.3680)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.2310, 0.3812, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	AD8A70
RGB	173, 138, 112
RGB Percent	68%, 54%, 44%
CMY	0.3217, 0.4588, 0.5607
CMYK	0.00, 0.20, 0.35, 0.32
HSL	26°, 27%, 56%
HSV	26°, 35%, 68%
XYZ	29.2436, 28.2310, 19.2400
YIQ	145.5010, 29.2060, -0.6660

Conversions

Conversions Part 2

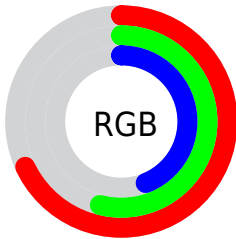
Format	Color
R_{YB}	173, 157, 112
Decimal	11373168
CIE _{Lab}	60.10, 9.54, 18.97
CIE _{LCh}	60, 21.236, 63.295
Yxy	28.2310, 0.3812, 0.3680
Android (android.graphics.Color)	4289563248 (0xFFAD8A70)
YUV	145.5010, -16.5160, 24.1166
Hunter-Lab	53.1329, 5.2616, 15.7234

Details

The Yxy color $28.2310, 0.3812, 0.3680$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $27.3225, 0.2582, 0.2862$, and the grayscale version is $28.5900, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.6000, 0.3666, 0.3599$, and $11.2716, 0.4050, 0.3797$ is the 20% darker color. If you saturate the color by 10%, you get $25.1650, 0.4070, 0.3792$, and if you desaturate by 10%, it is $31.6338, 0.3583, 0.3565$.

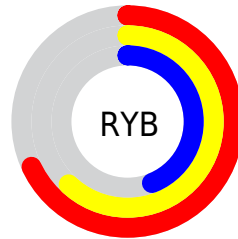
Distribution



Red (68%)

Green (54%)

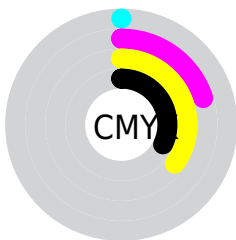
Blue (44%)



Red (68%)

Yellow (62%)

Blue (44%)

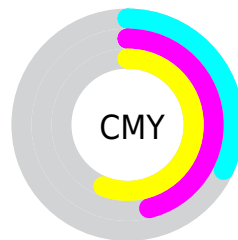


Cyan (0%)

Magenta (20%)

Yellow (35%)

Black (32%)



Cyan (32%)


Magenta (46%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2310, 0.3812, 0.3680 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 28.2310, 0.3812, 0.3680 by changing the saturation by 10% instead.


 28.2310, 0.3812,
0.3680


 28.2310, 0.3812,
0.3680


293.5691, 0.3439,
0.3478

 18.4999, 0.3915,
0.3732


 56.8530, 0.3669,
0.3605


 11.3095, 0.4054,
0.3798


 76.5127, 0.3618,
0.3578

 6.2754, 0.4250,
0.3884


 100.2507, 0.3575,
0.3554

 3.0132, 0.4541,
0.3997

 128.4514, 0.3539,
0.3534

 1.1387, 0.5482,
0.4518

161.4992, 0.3509,
0.3517

 0.0107, 0.9578,
0.0422

199.7785, 0.3483,

 0.0000, 0.0000,

0.3502

0.0000

243.6736, 0.3460,
0.3489

■ 28.2310, 0.3812,
0.3680

■ 28.2310, 0.3812,
0.3680

■ 25.1650, 0.4070,
0.3792

■ 31.6338, 0.3583,
0.3565

■ 22.4205, 0.4354,
0.3892

■ 35.3800, 0.3382,
0.3452

■ 19.9871, 0.4656,
0.3971


■ 39.4809, 0.3209,
0.3344

■ 17.8519, 0.4961,
0.4015

■ 43.9462, 0.3059,
0.3243


■ 16.0008, 0.5251,
0.4013

■ 48.7850, 0.2929,
0.3149


 14.4180, 0.5501,
0.3959

 54.0063, 0.2818,
0.3063

 13.7487, 0.5613,
0.3925

 59.6186, 0.2721,
0.2984

 65.6302, 0.2638,
0.2912

 71.2044, 0.2628,
0.2978

Harmonies

Analogous

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



28.2310, 0.3791, 0.3405



28.2310, 0.3812, 0.3680



28.2310, 0.3641, 0.3874

Triad

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



28.2310, 0.3812, 0.3680



28.2310, 0.2685, 0.3451



28.2310, 0.2893, 0.2741

Complementary

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



28.2310, 0.3812, 0.3680



27.3225, 0.2582, 0.2862

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.



28.2310, 0.2621, 0.2727



28.2310, 0.3812, 0.3680



28.2310, 0.2506, 0.3115

Square

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



28.2310, 0.3812, 0.3680



28.2310, 0.2985, 0.3755



28.2310, 0.2484, 0.2855



28.2310, 0.3243, 0.2882

Rectangle

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



28.2310, 0.3812, 0.3680



28.2310, 0.3447, 0.3920



28.2310, 0.2484, 0.2855



28.2310, 0.2790, 0.2721

Sweetspot

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



28.2323, 0.3812, 0.3680



66.2814, 0.3309, 0.3408



22.5974, 0.3471, 0.2768



14.1998, 0.3332, 0.3422



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



28.2323, 0.3812, 0.3680



46.4063, 0.4003, 0.3764



38.0196, 0.3670, 0.4087



8.5559, 0.3276, 0.3387



10.2119, 0.5595, 0.3940



0.3940, 0.5069, 0.4357

Inverse Universe

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



27.3225, 0.2582, 0.2862



44.5282, 0.2468, 0.2753



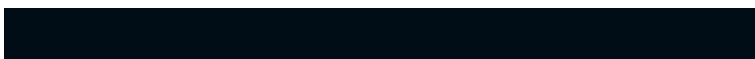
19.2058, 0.2513, 0.2344



8.4911, 0.2986, 0.3191



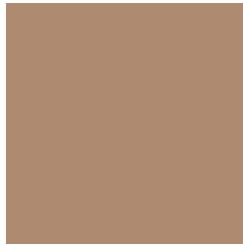
8.9182, 0.1848, 0.1854



0.3537, 0.1982, 0.2336

Previews

White Background



This preview shows how the Yxy color 28.2310, 0.3812, 0.3680 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 28.2310, 0.3812, 0.3680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

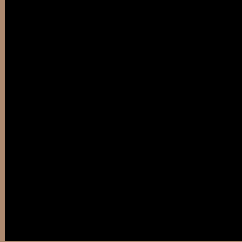
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2310, 0.3812, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 28.2310, 0.3812, 0.3680.



This preview shows how white text looks on a background with the Yxy color 28.2310, 0.3812, 0.3680.

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

28.2310, 0.3812, 0.3680

Protanopia

28.3586, 0.3530, 0.3771

Deuteranopia

28.1811, 0.3772, 0.3700



Tritanopia

28.2939, 0.3498, 0.3146

Trichromacy



Original Color

28.2310, 0.3812, 0.3680

Protanomaly

28.1380, 0.3633, 0.3729

Deuteranomaly

28.2930, 0.3784, 0.3698

Tritanomaly

28.1078, 0.3621, 0.3336

Monochromacy



Original Color

28.2310, 0.3812, 0.3680

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.4341, 0.3360, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2310, 0.3812, 0.3680 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(173, 138, 112)` looks like.

```
.text, #text, p{  
    color:rgb(173, 138, 112)  
}
```

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(173, 138, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 138, 112) }
```

Border

The CSS property to change the border of an element to Yxy 28.2310, 0.3812, 0.3680 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(173, 138, 112) }
```

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

```
.border{ border-color:rgb(173, 138, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 138, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 138, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 138, 112);  
box-shadow:4px 4px 4px 4px rgb(173, 138,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2310, 0.3812, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 138, 112) }
```

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

```
.background{ background-color: rgb(173,  
138, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor