

Converting Colors

$Y_{xy}(27.2706, 0.3886, 0.3799)$

Have a look what the booklet for
Yxy(27.2706, 0.3886, 0.3799)
contains.

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Color

Yxy(27.1336, 0.3889, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	AA8867
RGB	170, 136, 103
RGB Percent	67%, 53%, 40%
CMY	0.3332, 0.4667, 0.5960
CMYK	0.00, 0.20, 0.39, 0.33
HSL	30°, 28%, 54%
HSV	30°, 39%, 67%
XYZ	27.8350, 27.1336, 16.6051
YIQ	142.4040, 30.8570, -3.0550

Conversions

Conversions Part 2

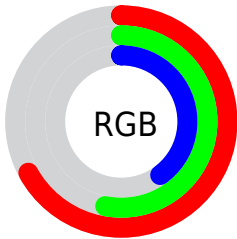
Format	Color
R_{YB}	170, 168, 103
Decimal	11176039
CIE _{Lab}	59.10, 8.34, 22.63
CIE _{LCh}	59, 24.113, 69.764
Yxy	27.1336, 0.3889, 0.3791
Android (android.graphics.Color)	4289366119 (0xFFAA8867)
YUV	142.4040, -19.4262, 24.2017
Hunter-Lab	52.0899, 4.2268, 17.5626

Details

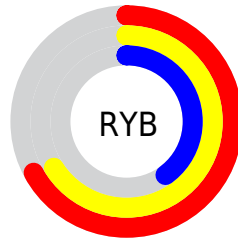
The Yxy color $27.1336, 0.3889, 0.3791$ is a dark color, and the websafe version is hex `CC9966`. A complement of this color would be $23.6931, 0.2507, 0.2724$, and the grayscale version is $27.2898, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.8970, 0.3729, 0.3696$, and $10.6541, 0.4149, 0.3931$ is the 20% darker color. If you saturate the color by 10%, you get $24.4923, 0.4140, 0.3915$, and if you desaturate by 10%, it is $30.0429, 0.3660, 0.3660$.

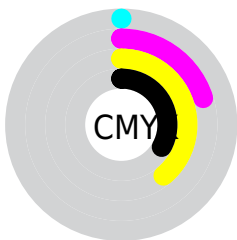
Distribution



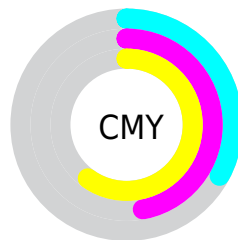
- Red (67%)
- Green (53%)
- Blue (40%)



- Red (67%)
- Yellow (66%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (39%)
- Black (33%)





- Cyan (33%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1336, 0.3889, 0.3791 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 27.1336, 0.3889, 0.3791 by changing the saturation by 10% instead.


 27.1336, 0.3889,
0.3791


 27.1336, 0.3889,
0.3791


288.3034, 0.3474,
0.3529


 17.6736, 0.4004,
0.3858


 55.0982, 0.3730,
0.3694

 10.7159, 0.4157,
0.3944


 74.3715, 0.3672,
0.3658

 5.8761, 0.4372,
0.4055


 97.6848, 0.3625,
0.3628

 2.7699, 0.4698,
0.4208

 125.4223, 0.3585,
0.3602

 1.0128, 0.5429,
0.4571

157.9686, 0.3551,
0.3580

 0.0000, 1.0000,
0.0000

195.7079, 0.3522,

 0.0000, 0.0000,

0.3561

0.0000

239.0247, 0.3496,
0.3544

■ 27.1336, 0.3889,
0.3791

■ 27.1336, 0.3889,
0.3791

■ 24.4923, 0.4140,
0.3915

■ 30.0429, 0.3660,
0.3660

■ 22.1063, 0.4408,
0.4023

■ 33.2247, 0.3456,
0.3530

■ 19.9675, 0.4683,
0.4104

■ 36.6881, 0.3276,
0.3403

■ 18.0655, 0.4952,
0.4144

■ 40.4407, 0.3119,
0.3283

■ 16.3890, 0.5196,
0.4135

■ 44.4897, 0.2981,
0.3171

■ 14.9198, 0.5409,
0.4081

■ 48.8420, 0.2861,
0.3068

■ 14.8393, 0.5421,
0.4078

■ 53.5042, 0.2757,
0.2973

■ 58.4829, 0.2666,
0.2886

■ 63.7171, 0.2592,
0.2818

Harmonies

Analogous

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



27.1336, 0.3917, 0.3487



27.1336, 0.3889, 0.3791



27.1336, 0.3649, 0.3988

Triad

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



27.1336, 0.3889, 0.3791



27.1336, 0.2562, 0.3388



27.1336, 0.2938, 0.2689

Complementary

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



27.1336, 0.3889, 0.3791



23.6931, 0.2507, 0.2724

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.



27.1336, 0.2603, 0.2637



27.1336, 0.3889, 0.3791



27.1336, 0.2397, 0.3010

Square

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



27.1336, 0.3889, 0.3791



27.1336, 0.2879, 0.3764



27.1336, 0.2412, 0.2744



27.1336, 0.3348, 0.2876

Rectangle

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



27.1336, 0.3889, 0.3791



27.1336, 0.3409, 0.4015



27.1336, 0.2412, 0.2744



27.1336, 0.2814, 0.2655

Sweetspot

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



27.1349, 0.3889, 0.3791



64.7287, 0.3324, 0.3438



20.0767, 0.3586, 0.2770



14.2569, 0.3346, 0.3454



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.



27.1349, 0.3889, 0.3791



45.1399, 0.4099, 0.3896



37.8721, 0.3711, 0.4233



8.1291, 0.3274, 0.3401



11.0232, 0.5404, 0.4091



0.3709, 0.4907, 0.4486

Inverse Universe

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



23.6931, 0.2507, 0.2724



38.0397, 0.2375, 0.2577



15.7143, 0.2418, 0.2133



7.9067, 0.2987, 0.3176



7.1830, 0.1787, 0.1633



0.2769, 0.1953, 0.2232

Previews

White Background



This preview shows how the Yxy color 27.1336, 0.3889, 0.3791 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 27.1336, 0.3889, 0.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

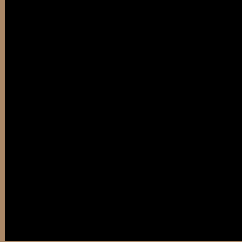
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1336, 0.3889, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 27.1336, 0.3889, 0.3791.



This preview shows how white text looks on a background with the Yxy color 27.1336, 0.3889, 0.3791.

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

27.1336, 0.3889, 0.3791

Protanopia

27.1589, 0.3625, 0.3874

Deuteranopia

27.0226, 0.3877, 0.3794



Tritanopia

27.1544, 0.3517, 0.3144

Trichromacy



Original Color

27.1336, 0.3889, 0.3791

Protanomaly

27.1470, 0.3715, 0.3845

Deuteranomaly

27.0226, 0.3877, 0.3794

Tritanomaly

27.1916, 0.3662, 0.3381

Monochromacy



Original Color

27.1336, 0.3889, 0.3791

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.9901, 0.3385, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1336, 0.3889, 0.3791 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(170, 136, 103)` looks like.

```
.text, #text, p{  
    color:rgb(170, 136, 103)  
}
```

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(170, 136, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 136, 103) }
```

Border

The CSS property to change the border of an element to Yxy 27.1336, 0.3889, 0.3791 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(170, 136, 103) }
```

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

```
.border{ border-color:rgb(170, 136, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 136, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 136, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 136, 103); box-shadow:4px 4px 4px 4px rgb(170, 136, 103) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1336, 0.3889, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 136, 103) }
```

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

```
.background{ background-color: rgb(170,  
136, 103) }
```

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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