

Converting Colors

$Y_{xy}(27.8532, 0.3892, 0.3757)$

Have a look what the booklet for
Yxy(27.8532, 0.3892, 0.3757)
contains.

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Color

Yxy(27.8162, 0.3885, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	AD896A
RGB	173, 137, 106
RGB Percent	68%, 54%, 42%
CMY	0.3216, 0.4627, 0.5844
CMYK	0.00, 0.21, 0.39, 0.32
HSL	28°, 29%, 55%
HSV	28°, 39%, 68%
XYZ	28.7792, 27.8162, 17.4824
YIQ	144.2300, 31.4070, -2.0090

Conversions

Conversions Part 2

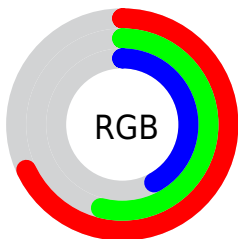
Format	Color
R_{YB}	173, 164, 106
Decimal	11372906
CIE _{Lab}	59.72, 9.36, 21.85
CIE _{LCh}	60, 23.773, 66.810
Yxy	27.8162, 0.3885, 0.3755
Android (android.graphics.Color)	4289562986 (0xFFAD896A)
YUV	144.2300, -18.8474, 25.2313
Hunter-Lab	52.7411, 5.1052, 17.2656

Details

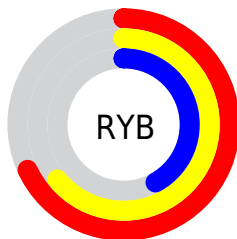
The Yxy color $27.8162, 0.3885, 0.3755$ is a dark color, and the websafe version is hex `CC9966`. A complement of this color would be $25.4166, 0.2522, 0.2769$, and the grayscale version is $28.0554, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.1185, 0.3728, 0.3656$, and $11.0438, 0.4157, 0.3897$ is the 20% darker color. If you saturate the color by 10%, you get $24.9645, 0.4143, 0.3873$, and if you desaturate by 10%, it is $30.9706, 0.3652, 0.3631$.

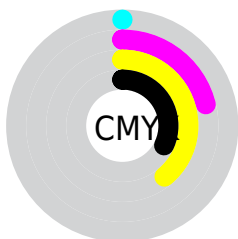
Distribution



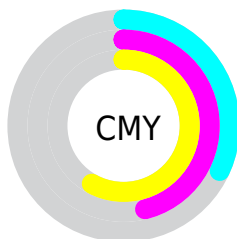
- Red (68%)
- Green (54%)
- Blue (42%)



- Red (68%)
- Yellow (64%)
- Blue (42%)



- Cyan (0%)
- Magenta (21%)
- Yellow (39%)
- Black (32%)





- Cyan (32%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8162, 0.3885, 0.3755 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 27.8162, 0.3885, 0.3755 by changing the saturation by 10% instead.


 27.8162, 0.3885,
0.3755


 27.8162, 0.3885,
0.3755


291.5876, 0.3473,
0.3514


 18.1872, 0.3999,
0.3816


 56.1909, 0.3727,
0.3666


 11.0844, 0.4151,
0.3894


 75.7053, 0.3670,
0.3633

 6.1237, 0.4363,
0.3994

 99.2836, 0.3623,
0.3605

 2.9204, 0.4678,
0.4123

 127.3102, 0.3584,
0.3581

 1.0903, 0.5479,
0.4521

160.1695, 0.3550,
0.3561

 0.0000, 1.0000,
0.0000

198.2459, 0.3521,

 0.0000, 0.0000,

0.3543

0.0000

241.9238, 0.3495,
0.3528

■ 27.8162, 0.3885,
0.3755

■ 27.8162, 0.3885,
0.3755

■ 24.9645, 0.4143,
0.3873

■ 30.9706, 0.3652,
0.3631

■ 22.4014, 0.4421,
0.3975

■ 34.4332, 0.3446,
0.3508

■ 20.1175, 0.4710,
0.4052


■ 38.2145, 0.3266,
0.3389

■ 18.1011, 0.4994,
0.4089


■ 42.3231, 0.3109,
0.3276


■ 16.3392, 0.5254,
0.4077


■ 46.7671, 0.2972,
0.3172


 14.8132, 0.5480,
0.4017

 51.5546, 0.2854,
0.3075

 14.6350, 0.5508,
0.4009

 56.6932, 0.2752,
0.2986

 62.1903, 0.2662,
0.2905

 67.6154, 0.2619,
0.2901

Harmonies

Analogous

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



27.8162, 0.3890, 0.3452



27.8162, 0.3885, 0.3755



27.8162, 0.3668, 0.3961

Triad

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



27.8162, 0.3885, 0.3755



27.8162, 0.2599, 0.3425



27.8162, 0.2906, 0.2689

Complementary

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



27.8162, 0.3885, 0.3755



25.4166, 0.2522, 0.2769

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.



27.8162, 0.2588, 0.2654



27.8162, 0.3885, 0.3755



27.8162, 0.2420, 0.3050

Square

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



27.8162, 0.3885, 0.3755



27.8162, 0.2921, 0.3783



27.8162, 0.2417, 0.2775



27.8162, 0.3303, 0.2861

Rectangle

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



27.8162, 0.3885, 0.3755



27.8162, 0.3440, 0.4001



27.8162, 0.2417, 0.2775



27.8162, 0.2787, 0.2661

Sweetspot

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



27.8175, 0.3885, 0.3755



66.0274, 0.3326, 0.3429



21.1662, 0.3546, 0.2747



14.1648, 0.3348, 0.3444



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.



27.8175, 0.3885, 0.3755



45.6599, 0.4091, 0.3851



38.5404, 0.3713, 0.4191



8.6036, 0.3275, 0.3395



10.8643, 0.5491, 0.4022



0.4124, 0.5001, 0.4411

Inverse Universe

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



25.4166, 0.2522, 0.2769



40.7711, 0.2398, 0.2638



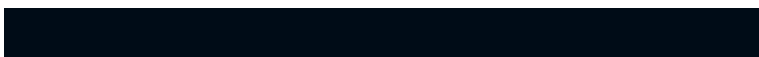
17.0881, 0.2437, 0.2193



8.4427, 0.2986, 0.3182



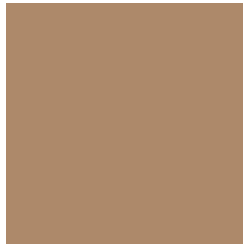
8.0707, 0.1814, 0.1728



0.3325, 0.1958, 0.2248

Previews

White Background



This preview shows how the Yxy color 27.8162, 0.3885, 0.3755 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 27.8162, 0.3885, 0.3755 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 27.8162, 0.3885, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 27.8162, 0.3885, 0.3755.



This preview shows how white text looks on a background with the Yxy color 27.8162, 0.3885, 0.3755.

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

27.8162, 0.3885, 0.3755

Protanopia

27.9207, 0.3596, 0.3853

Deuteranopia

27.7636, 0.3844, 0.3776



Tritanopia

27.8026, 0.3538, 0.3146

Trichromacy



Original Color

27.8162, 0.3885, 0.3755

Protanomaly

27.7095, 0.3701, 0.3809

Deuteranomaly

27.8755, 0.3856, 0.3773

Tritanomaly

27.8653, 0.3670, 0.3365

Monochromacy



Original Color

27.8162, 0.3885, 0.3755

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.6300, 0.3396, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8162, 0.3885, 0.3755 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, 137, 106)` looks like.

```
.text, #text, p{  
    color:rgb(173, 137, 106)  
}
```

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, 137, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 137, 106) }
```

Border

The CSS property to change the border of an element to Yxy 27.8162, 0.3885, 0.3755 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, 137, 106) }
```

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

```
.border{ border-color:rgb(173, 137, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 137, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 137, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 137, 106);  
box-shadow:4px 4px 4px 4px rgb(173, 137,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8162, 0.3885, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 137, 106) }
```

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

```
.background{ background-color: rgb(173,  
137, 106) }
```

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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