

Converting Colors

$Y_{xy}(28.6999, 0.3795, 0.3774)$

Have a look what the booklet for
Yxy(28.6999, 0.3795, 0.3774)
contains.

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Color

Yxy(28.6999, 0.3795, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	AA8D6D
RGB	170, 141, 109
RGB Percent	67%, 55%, 43%
CMY	0.3334, 0.4470, 0.5725
CMYK	0.00, 0.17, 0.36, 0.33
HSL	31°, 26%, 55%
HSV	31°, 36%, 67%
XYZ	28.8596, 28.6999, 18.4869
YIQ	146.0230, 27.5560, -3.8040

Conversions

Conversions Part 2

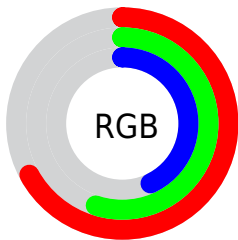
Format	Color
R_{YB}	164, 170, 109
Decimal	11177325
CIE Lab	60.52, 6.25, 21.18
CIE LCh	61, 22.081, 73.549
Yxy	28.6999, 0.3795, 0.3774
Android (android.graphics.Color)	4289367405 (0xFFAA8D6D)
YUV	146.0230, -18.2523, 21.0278
Hunter-Lab	53.5723, 2.4071, 17.0406

Details

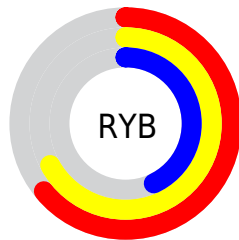
The Yxy color $28.6999, 0.3795, 0.3774$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $24.3215, 0.2559, 0.2749$, and the grayscale version is $28.8223, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.7722, 0.3652, 0.3681$, and $11.6010, 0.4034, 0.3926$ is the 20% darker color. If you saturate the color by 10%, you get $26.0743, 0.4031, 0.3909$, and if you desaturate by 10%, it is $31.5726, 0.3580, 0.3635$.

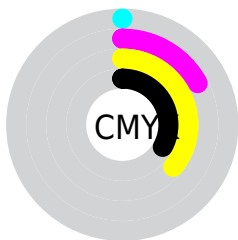
Distribution



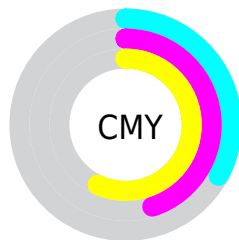
- Red (67%)
- Green (55%)
- Blue (43%)



- Red (64%)
- Yellow (67%)
- Blue (43%)



- Cyan (0%)
- Magenta (17%)
- Yellow (36%)
- Black (33%)





- Cyan (33%)
- Magenta (45%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6999, 0.3795, 0.3774 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 28.6999, 0.3795, 0.3774 by changing the saturation by 10% instead.


 28.6999, 0.3795,
0.3774


 28.6999, 0.3795,
0.3774

295.7964, 0.3434,
0.3520

 18.8539, 0.3894,
0.3840


 57.5999, 0.3657,
0.3679

 11.5648, 0.4026,
0.3925


 77.4228, 0.3608,
0.3645

 6.4481, 0.4209,
0.4038


 101.3401, 0.3566,
0.3615

 3.1194, 0.4476,
0.4190

 129.7361, 0.3532,
0.3591

 1.1944, 0.5272,
0.4728

162.9954, 0.3502,
0.3569

 0.0571, 0.7837,
0.2163

201.5023, 0.3476,

 0.0000, 0.0000,

0.3551

0.0000

245.6411, 0.3454,
0.3535

■ 28.6999, 0.3795,
0.3774

■ 28.6999, 0.3795,
0.3774

■ 26.0743, 0.4031,
0.3909

■ 31.5726, 0.3580,
0.3635

■ 23.6841, 0.4283,
0.4032

■ 34.6958, 0.3388,
0.3497

■ 21.5222, 0.4543,
0.4130

■ 38.0777, 0.3218,
0.3364

■ 19.5798, 0.4800,
0.4194

■ 41.7250, 0.3068,
0.3240

■ 17.8467, 0.5038,
0.4210

■ 45.6441, 0.2936,
0.3123

■ 16.3110, 0.5244,
0.4175

■ 49.8411, 0.2822,
0.3016

■ 15.7267, 0.5326,
0.4153

■ 54.3218, 0.2721,
0.2918

■ 59.0921, 0.2633,
0.2827

■ 63.6993, 0.2591,
0.2817

Harmonies

Analogous

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



28.6999, 0.3845, 0.3509



28.6999, 0.3795, 0.3774



28.6999, 0.3561, 0.3928

Triad

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



28.6999, 0.3795, 0.3774



28.6999, 0.2590, 0.3335



28.6999, 0.3003, 0.2760

Complementary

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



28.6999, 0.3795, 0.3774



24.3215, 0.2559, 0.2749

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.



28.6999, 0.2686, 0.2697



28.6999, 0.3795, 0.3774



28.6999, 0.2459, 0.3004

Square

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



28.6999, 0.3795, 0.3774



28.6999, 0.2863, 0.3676



28.6999, 0.2493, 0.2778



28.6999, 0.3373, 0.2944

Rectangle

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



28.6999, 0.3795, 0.3774



28.6999, 0.3338, 0.3933



28.6999, 0.2493, 0.2778



28.6999, 0.2887, 0.2724

Sweetspot

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



28.7012, 0.3795, 0.3774



65.7777, 0.3306, 0.3434



21.3304, 0.3558, 0.2847



14.4908, 0.3328, 0.3451



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.



28.7012, 0.3795, 0.3774



48.2833, 0.3980, 0.3882



38.2772, 0.3646, 0.4167



8.1695, 0.3273, 0.3409



11.6840, 0.5310, 0.4166



0.3857, 0.4852, 0.4530

Inverse Universe

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



24.3215, 0.2559, 0.2749



39.1550, 0.2431, 0.2605



17.1555, 0.2500, 0.2239



7.8664, 0.2987, 0.3168



6.5481, 0.1757, 0.1525



0.2623, 0.1933, 0.2157

Previews

White Background



This preview shows how the Yxy color 28.6999, 0.3795, 0.3774 looks on a white background.

Color Contrast Check

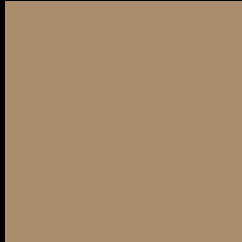
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6999, 0.3795, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

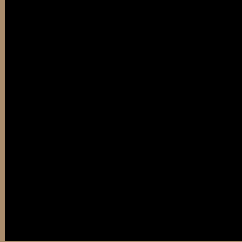
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6999, 0.3795, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 28.6999, 0.3795, 0.3774.



This preview shows how white text looks on a background with the Yxy color 28.6999, 0.3795, 0.3774.

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

28.6999, 0.3795, 0.3774

Protanopia

28.7734, 0.3590, 0.3846

Deuteranopia

28.6309, 0.3824, 0.3755



Tritanopia

28.6823, 0.3448, 0.3145

Trichromacy



Original Color

28.6999, 0.3795, 0.3774

Protanomaly

28.6494, 0.3666, 0.3822

Deuteranomaly

28.5182, 0.3812, 0.3757

Tritanomaly

28.7546, 0.3576, 0.3365

Monochromacy



Original Color

28.6999, 0.3795, 0.3774

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.6085, 0.3357, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6999, 0.3795, 0.3774 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, 141, 109)` looks like.

```
.text, #text, p{  
    color:rgb(170, 141, 109)  
}
```

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, 141, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 141, 109) }
```

Border

The CSS property to change the border of an element to Yxy 28.6999, 0.3795, 0.3774 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, 141, 109) }
```

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

```
.border{ border-color:rgb(170, 141, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 141, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 141, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 141, 109);  
box-shadow:4px 4px 4px 4px rgb(170, 141,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6999, 0.3795, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 141, 109) }
```

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

```
.background{ background-color: rgb(170,  
141, 109) }
```

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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