

Converting Colors

$Y_{xy}(28.8406, 0.3766, 0.3714)$

Have a look what the booklet for
Yxy(28.8406, 0.3766, 0.3714)
contains.

Yxy(28.8999, 0.3763, 0.3712)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.8999, 0.3763, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	AB8D71
RGB	171, 141, 113
RGB Percent	67%, 55%, 44%
CMY	0.3295, 0.4470, 0.5568
CMYK	0.00, 0.18, 0.34, 0.33
HSL	29°, 26%, 56%
HSV	29°, 34%, 67%
XYZ	29.2970, 28.8999, 19.6585
YIQ	146.7780, 26.8680, -2.3480

Conversions

Conversions Part 2

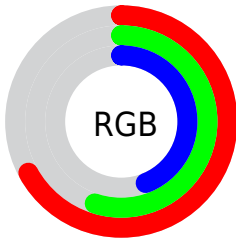
Format	Color
R_{YB}	171, 167, 113
Decimal	11242865
CIE Lab	60.69, 7.18, 19.19
CIE LCh	61, 20.490, 69.493
Yxy	28.8999, 0.3763, 0.3712
Android (android.graphics.Color)	4289432945 (0xFFAB8D71)
YUV	146.7780, -16.6526, 21.2427
Hunter-Lab	53.7586, 3.2000, 15.9499

Details

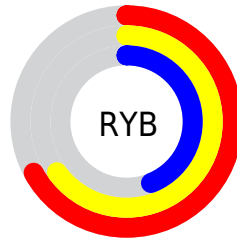
The Yxy color $28.8999, 0.3763, 0.3712$ is a dark color, and the websafe version is hex `CC9966`. A complement of this color would be $26.0878, 0.2596, 0.2825$, and the grayscale version is $29.1429, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.0777, 0.3628, 0.3634$, and $11.7154, 0.3989, 0.3841$ is the 20% darker color. If you saturate the color by 10%, you get $26.0481, 0.4004, 0.3839$, and if you desaturate by 10%, it is $32.0350, 0.3546, 0.3583$.

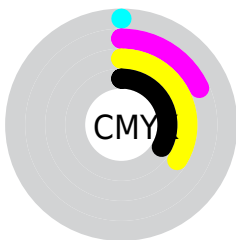
Distribution



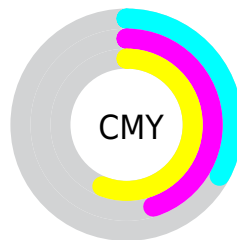
- Red (67%)
- Green (55%)
- Blue (44%)



- Red (67%)
- Yellow (65%)
- Blue (44%)



- Cyan (0%)
- Magenta (18%)
- Yellow (34%)
- Black (33%)





- Cyan (33%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8999, 0.3763, 0.3712 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 28.8999, 0.3763, 0.3712 by changing the saturation by 10% instead.


 28.8999, 0.3763,
0.3712


 28.8999, 0.3763,
0.3712


296.7424, 0.3419,
0.3491


 19.0051, 0.3858,
0.3769


 57.9180, 0.3632,
0.3630

 11.6740, 0.3984,
0.3843


 77.8101, 0.3584,
0.3600

 6.5221, 0.4162,
0.3942


 101.8035, 0.3545,
0.3574

 3.1651, 0.4425,
0.4075

 130.2824, 0.3512,
0.3553

 1.2185, 0.5326,
0.4674

163.6314, 0.3483,
0.3534

 0.0767, 0.7638,
0.2362

202.2348, 0.3459,

 0.0000, 0.0000,

0.3518

0.0000

246.4770, 0.3438,
0.3504

■ 28.8999, 0.3763,
0.3712

■ 28.8999, 0.3763,
0.3712

■ 26.0481, 0.4004,
0.3839

■ 32.0350, 0.3546,
0.3583

■ 23.4666, 0.4267,
0.3954

■ 35.4578, 0.3355,
0.3456

■ 21.1473, 0.4543,
0.4050

■ 39.1777, 0.3187,
0.3335

■ 19.0799, 0.4822,
0.4112

■ 43.2022, 0.3040,
0.3222

■ 17.2533, 0.5086,
0.4129

■ 47.5389, 0.2913,
0.3117

■ 15.6549, 0.5318,
0.4094

■ 52.1947, 0.2802,
0.3020

■ 14.7805, 0.5448,
0.4056

■ 57.1765, 0.2706,
0.2931

■ 62.4909, 0.2622,
0.2850

■ 67.3548, 0.2607,
0.2899

Harmonies

Analogous

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



28.8999, 0.3782, 0.3459



28.8999, 0.3763, 0.3712



28.8999, 0.3567, 0.3871

Triad

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



28.8999, 0.3763, 0.3712



28.8999, 0.2656, 0.3377



28.8999, 0.2969, 0.2781

Complementary

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



28.8999, 0.3763, 0.3712



26.0878, 0.2596, 0.2825

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.



28.8999, 0.2686, 0.2741



28.8999, 0.3763, 0.3712



28.8999, 0.2514, 0.3064

Square

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



28.8999, 0.3763, 0.3712



28.8999, 0.2925, 0.3683



28.8999, 0.2525, 0.2837



28.8999, 0.3309, 0.2940

Rectangle

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



28.8999, 0.3763, 0.3712



28.8999, 0.3369, 0.3889



28.8999, 0.2525, 0.2837



28.8999, 0.2864, 0.2754

Sweetspot

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



28.9012, 0.3763, 0.3712



65.9425, 0.3289, 0.3410



22.4787, 0.3490, 0.2830



14.5058, 0.3313, 0.3427



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.



28.9012, 0.3763, 0.3712



47.7360, 0.3950, 0.3812



38.2414, 0.3636, 0.4093



8.6299, 0.3275, 0.3400



11.2498, 0.5433, 0.4068



0.4229, 0.4965, 0.4440

Inverse Universe

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



26.0878, 0.2596, 0.2825



41.8876, 0.2472, 0.2696



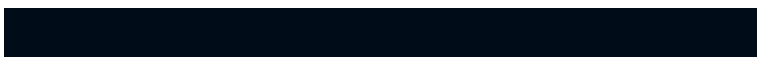
18.6982, 0.2534, 0.2336



8.4163, 0.2986, 0.3178



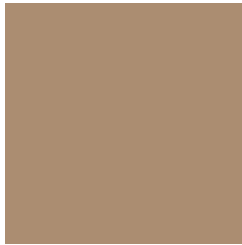
7.6329, 0.1795, 0.1661



0.3213, 0.1945, 0.2200

Previews

White Background



This preview shows how the Yxy color 28.8999, 0.3763, 0.3712 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 28.8999, 0.3763, 0.3712 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 28.8999, 0.3763, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 28.8999, 0.3763, 0.3712.



This preview shows how white text looks on a background with the Yxy color 28.8999, 0.3763, 0.3712.

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

28.8999, 0.3763, 0.3712

Protanopia

28.8635, 0.3549, 0.3782

Deuteranopia

29.0127, 0.3775, 0.3710



Tritanopia

28.8289, 0.3448, 0.3131

Trichromacy



Original Color

28.8999, 0.3763, 0.3712

Protanomaly

28.7385, 0.3624, 0.3759

Deuteranomaly

29.0127, 0.3775, 0.3710

Tritanomaly

28.9249, 0.3565, 0.3336

Monochromacy



Original Color

28.8999, 0.3763, 0.3712

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.0680, 0.3345, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8999, 0.3763, 0.3712 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(171, 141, 113)` looks like.

```
.text, #text, p{  
    color:rgb(171, 141, 113)  
}
```

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(171, 141, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 141, 113) }
```

Border

The CSS property to change the border of an element to Yxy 28.8999, 0.3763, 0.3712 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(171, 141, 113) }
```

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

```
.border{ border-color:rgb(171, 141, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 141, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 141, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 141, 113);  
box-shadow:4px 4px 4px 4px rgb(171, 141,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8999, 0.3763, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 141, 113) }
```

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

```
.background{ background-color: rgb(171,  
141, 113) }
```

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