

Converting Colors

$Y_{xy}(28.8689, 0.3144, 0.2703)$

Have a look what the booklet for
Yxy(28.8689, 0.3144, 0.2703)
contains.

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Color

Yxy(28.8689, 0.3144, 0.2703)

Conversions

Conversions Part 1

Format	Color
Hex	AE85AF
RGB	174, 133, 175
RGB Percent	68%, 52%, 69%
CMY	0.3177, 0.4784, 0.3138
CMYK	0.01, 0.24, 0.00, 0.31
HSL	299°, 21%, 60%
HSV	299°, 24%, 69%
XYZ	33.5789, 28.8689, 44.3554
YIQ	150.0470, 10.9540, 21.7540

Conversions

Conversions Part 2

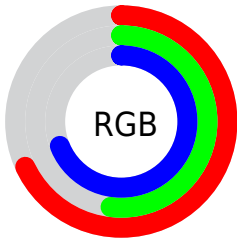
Format	Color
RYB	174, 133, 175
Decimal	11437487
CIELab	60.67, 23.01, -16.08
CIElCh	61, 28.070, 325.055
Yxy	28.8689, 0.3144, 0.2703
Android (android.graphics.Color)	4289627567 (0xFFAE85AF)
YUV	150.0470, 12.3018, 21.0068
Hunter-Lab	53.7298, 17.5281, -11.3346

Details

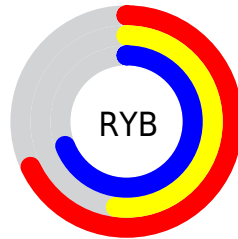
The Yxy color **28.8689, 0.3144, 0.2703** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.4195, 0.3105, 0.3952**, and the grayscale version is **30.4640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7103, 0.3142, 0.2806**, and **11.6566, 0.3147, 0.2531** is the 20% darker color. If you saturate the color by 10%, you get **24.4230, 0.3150, 0.2459**, and if you desaturate by 10%, it is **34.1158, 0.3137, 0.2951**.

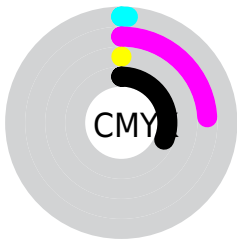
Distribution



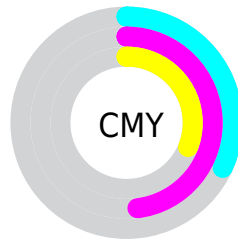
- Red (68%)
- Green (52%)
- Blue (69%)



- Red (68%)
- Yellow (52%)
- Blue (69%)



- Cyan (1%)
- Magenta (24%)
- Yellow (0%)
- Black (31%)





- Cyan (32%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8689, 0.3144, 0.2703 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 28.8689, 0.3144, 0.2703 by changing the saturation by 10% instead.

 28.8689, 0.3144,
0.2703


 28.8689, 0.3144,
0.2703


296.5959, 0.3140,
0.3006


 18.9817, 0.3143,
0.2625


 57.8687, 0.3144,
0.2815

 11.6570, 0.3141,
0.2522


 77.7501, 0.3144,
0.2857

 6.5106, 0.3135,
0.2383


 101.7317, 0.3143,
0.2892

 3.1580, 0.3122,
0.2184

130.1978, 0.3143,
0.2921

 1.2148, 0.3088,
0.1880

163.5329, 0.3142,
0.2947

 0.0737, 0.3273,
0.0382

202.1213, 0.3141,

 0.0000, 0.0000,

0.2969

0.0000

246.3475, 0.3141,
0.2989

■ 28.8689, 0.3144,
0.2703

■ 28.8689, 0.3144,
0.2703

■ 24.4230, 0.3150,
0.2459

■ 34.1158, 0.3137,
0.2951

■ 20.7346, 0.3155,
0.2227

■ 40.1966, 0.3130,
0.3195

■ 17.7624, 0.3158,
0.2016

■ 47.1470, 0.3123,
0.3430

■ 15.4589, 0.3159,
0.1836

■ 54.9997, 0.3115,
0.3652

■ 13.7716, 0.3159,
0.1694

■ 63.7855, 0.3108,
0.3858

■ 12.6396, 0.3157,
0.1593

■ 73.5337, 0.3101,
0.4048

■ 11.9899, 0.3153,
0.1533

■ 83.9511, 0.3095,
0.4217

■ 11.7335, 0.3150,
0.1509

■ 84.0001, 0.3097,
0.4217

■ 84.0492, 0.3100,
0.4216

Harmonies

Analogous

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



28.8689, 0.2708, 0.2562



28.8689, 0.3144, 0.2703



28.8689, 0.3607, 0.2974

Triad

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



28.8689, 0.3144, 0.2703



28.8689, 0.3878, 0.3992



28.8689, 0.2368, 0.3167

Complementary

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



28.8689, 0.3144, 0.2703



37.4195, 0.3105, 0.3952

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.



28.8689, 0.2642, 0.3624



28.8689, 0.3144, 0.2703



28.8689, 0.3511, 0.4124

Square

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



28.8689, 0.3144, 0.2703



28.8689, 0.4045, 0.3691



28.8689, 0.3058, 0.3995



28.8689, 0.2286, 0.2793

Rectangle

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



28.8689, 0.3144, 0.2703



28.8689, 0.3856, 0.3203



28.8689, 0.3058, 0.3995



28.8689, 0.2439, 0.3317

Sweetspot

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



28.8702, 0.3144, 0.2703



68.4248, 0.3132, 0.3119



25.2453, 0.2728, 0.2649



15.0649, 0.3133, 0.3105



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.8702, 0.3144, 0.2703



47.1494, 0.3147, 0.2568



28.2705, 0.3362, 0.2968



8.1382, 0.3134, 0.3066



8.4076, 0.3151, 0.1509



0.2369, 0.3170, 0.1520

Inverse Universe

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



27.6119, 0.3604, 0.3277



44.4932, 0.3753, 0.3274



37.9308, 0.2945, 0.3636



8.0183, 0.3283, 0.3285



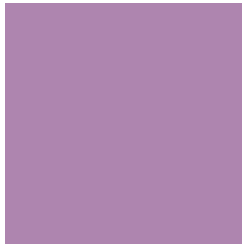
6.5347, 0.6369, 0.3282



0.1828, 0.6229, 0.3205

Previews

White Background



This preview shows how the Yxy color 28.8689, 0.3144, 0.2703 looks on a white background.

Color Contrast Check

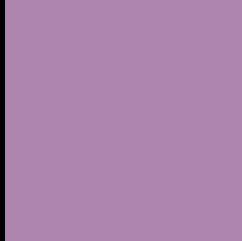
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8689, 0.3144, 0.2703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

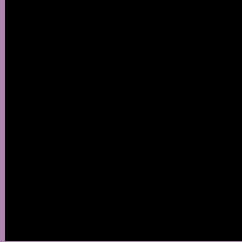
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8689, 0.3144, 0.2703

Background



This preview shows how black text looks on a background with the Yxy color 28.8689, 0.3144, 0.2703.



This preview shows how white text looks on a background with the Yxy color 28.8689, 0.3144, 0.2703.

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

28.8689, 0.3144, 0.2703

Protanopia

28.9881, 0.2713, 0.2713

Deuteranopia

28.9580, 0.2897, 0.2836



Tritanopia

28.8929, 0.3366, 0.3128

Trichromacy



Original Color

28.8689, 0.3144, 0.2703

Protanomaly

28.8291, 0.2854, 0.2712

Deuteranomaly

28.6893, 0.2976, 0.2774

Tritanomaly

28.7349, 0.3285, 0.2971

Monochromacy



Original Color

28.8689, 0.3144, 0.2703

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.8206, 0.3138, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8689, 0.3144, 0.2703 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(174, 133, 175)` looks like.

```
.text, #text, p{  
    color:rgb(174, 133, 175)  
}
```

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(174, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 133, 175) }
```

Border

The CSS property to change the border of an element to Yxy 28.8689, 0.3144, 0.2703 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(174, 133, 175) }
```

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

```
.border{ border-color:rgb(174, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(174, 133,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8689, 0.3144, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 133, 175) }
```

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

```
.background{ background-color: rgb(174,  
133, 175) }
```

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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