

Converting Colors

$Y_{xy}(27.8523, 0.3226, 0.2830)$

Have a look what the booklet for
Yxy(27.8523, 0.3226, 0.2830)
contains.

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Color

Yxy(27.8408, 0.3226, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	AB84A4
RGB	171, 132, 164
RGB Percent	67%, 52%, 64%
CMY	0.3294, 0.4823, 0.3569
CMYK	0.00, 0.23, 0.04, 0.33
HSL	311°, 19%, 59%
HSV	311°, 23%, 67%
XYZ	31.7478, 27.8408, 38.8236
YIQ	147.3090, 12.9720, 18.2200

Conversions

Conversions Part 2

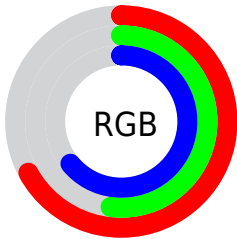
Format	Color
R_{YB}	171, 132, 164
Decimal	11240612
CIE Lab	59.74, 20.43, -11.23
CIE LCh	60, 23.315, 331.213
Yxy	27.8408, 0.3226, 0.2829
Android (android.graphics.Color)	4289430692 (0xFFAB84A4)
YUV	147.3090, 8.2287, 20.7770
Hunter-Lab	52.7644, 15.0639, -6.6900

Details

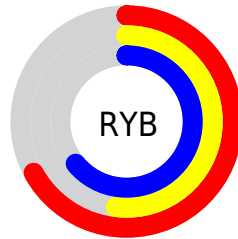
The Yxy color **27.8408, 0.3226, 0.2829** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.8982, 0.3042, 0.3800**, and the grayscale version is **29.2742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1433, 0.3210, 0.2916**, and **11.0560, 0.3254, 0.2682** is the 20% darker color. If you saturate the color by 10%, you get **23.4683, 0.3279, 0.2623**, and if you desaturate by 10%, it is **32.9786, 0.3179, 0.3035**.

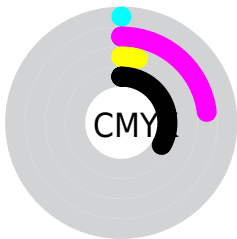
Distribution



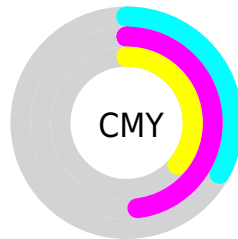
- Red (67%)
- Green (52%)
- Blue (64%)



- Red (67%)
- Yellow (52%)
- Blue (64%)



- Cyan (0%)
- Magenta (23%)
- Yellow (4%)
- Black (33%)





- Cyan (33%)
- Magenta (48%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8408, 0.3226, 0.2829 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 27.8408, 0.3226, 0.2829 by changing the saturation by 10% instead.

 27.8408, 0.3226,
0.2829


 27.8408, 0.3226,
0.2829


291.7054, 0.3176,
0.3071


 18.2057, 0.3238,
0.2765


 56.2302, 0.3208,
0.2920

 11.0978, 0.3254,
0.2680


 75.7532, 0.3201,
0.2953

 6.1326, 0.3275,
0.2564


 99.3410, 0.3195,
0.2980

 2.9259, 0.3304,
0.2392

127.3780, 0.3190,
0.3004

 1.0932, 0.3344,
0.2119

160.2485, 0.3186,
0.3024

 0.0000, 0.3849,
0.0000

198.3370, 0.3182,

 0.0000, 0.0000,

0.3042

0.0000

242.0278, 0.3179,
0.3057

■ 27.8408, 0.3226,
0.2829

■ 27.8408, 0.3226,
0.2829

■ 23.4683, 0.3279,
0.2623

■ 32.9786, 0.3179,
0.3035

■ 19.8206, 0.3338,
0.2423

■ 38.9126, 0.3138,
0.3235

■ 16.8585, 0.3402,
0.2239

■ 45.6764, 0.3102,
0.3426

■ 14.5383, 0.3469,
0.2080

■ 53.3005, 0.3072,
0.3606

■ 12.8106, 0.3538,
0.1955

■ 61.8140, 0.3046,
0.3772

■ 11.6193, 0.3607,
0.1871

■ 71.2446, 0.3024,
0.3926

■ 10.8972, 0.3673,
0.1832

■ 81.6187, 0.3006,
0.4067

■ 10.5610, 0.3719,
0.1823

■ 83.8340, 0.2990,
0.4063

■ 83.9684, 0.2974,
0.4025

Harmonies

Analogous

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



27.8408, 0.2844, 0.2683



27.8408, 0.3226, 0.2829



27.8408, 0.3602, 0.3081

Triad

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



27.8408, 0.3226, 0.2829



27.8408, 0.3711, 0.3922



27.8408, 0.2454, 0.3119

Complementary

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



27.8408, 0.3226, 0.2829



35.8982, 0.3042, 0.3800

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.



27.8408, 0.2659, 0.3494



27.8408, 0.3226, 0.2829



27.8408, 0.3380, 0.3982

Square

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



27.8408, 0.3226, 0.2829



27.8408, 0.3888, 0.3696



27.8408, 0.2995, 0.3825



27.8408, 0.2417, 0.2825

Rectangle

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



27.8408, 0.3226, 0.2829



27.8408, 0.3788, 0.3285



27.8408, 0.2995, 0.3825



27.8408, 0.2504, 0.3240

Sweetspot

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



27.8420, 0.3226, 0.2829



64.9207, 0.3155, 0.3150



24.8897, 0.2813, 0.2676



14.3416, 0.3157, 0.3138



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.



27.8420, 0.3226, 0.2829



46.0371, 0.3250, 0.2732



27.2060, 0.3434, 0.3098



8.1230, 0.3164, 0.3106



7.9678, 0.3714, 0.1819



0.2280, 0.3537, 0.1722

Inverse Universe

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



27.8420, 0.3226, 0.2829



46.0371, 0.3250, 0.2732



36.5027, 0.2893, 0.3491



8.1230, 0.3164, 0.3106



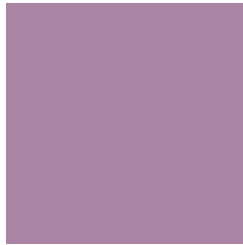
7.9678, 0.3714, 0.1819



0.2280, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 27.8408, 0.3226, 0.2829 looks on a white background.

Color Contrast Check

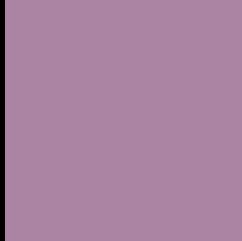
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8408, 0.3226, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

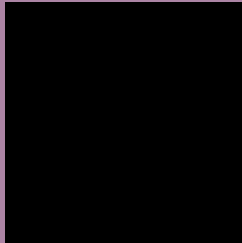
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8408, 0.3226, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 27.8408, 0.3226, 0.2829.



This preview shows how white text looks on a background with the Yxy color 27.8408, 0.3226, 0.2829.

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

27.8408, 0.3226, 0.2829

Protanopia

27.9885, 0.2819, 0.2853

Deuteranopia

27.8488, 0.3017, 0.2951



Tritanopia

27.8383, 0.3394, 0.3127

Trichromacy



Original Color

27.8408, 0.3226, 0.2829

Protanomaly

27.7764, 0.2961, 0.2848

Deuteranomaly

27.8048, 0.3092, 0.2899

Tritanomaly

27.8961, 0.3330, 0.3011

Monochromacy



Original Color

27.8408, 0.3226, 0.2829

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.7138, 0.3167, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8408, 0.3226, 0.2829 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, 132, 164)` looks like.

```
.text, #text, p{  
    color:rgb(171, 132, 164)  
}
```

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, 132, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 132, 164) }
```

Border

The CSS property to change the border of an element to Yxy 27.8408, 0.3226, 0.2829 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, 132, 164) }
```

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

```
.border{ border-color:rgb(171, 132, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 132, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 132, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 132, 164);  
box-shadow:4px 4px 4px 4px rgb(171, 132,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8408, 0.3226, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 132, 164) }
```

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

```
.background{ background-color: rgb(171,  
132, 164) }
```

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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