

Converting Colors

$Y_{xy}(28.2713, 0.3222, 0.2778)$

Have a look what the booklet for
Yxy(28.2713, 0.3222, 0.2778)
contains.

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Color

Yxy(28.3284, 0.3217, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	AE84A8
RGB	174, 132, 168
RGB Percent	68%, 52%, 66%
CMY	0.3175, 0.4824, 0.3411
CMYK	0.00, 0.24, 0.03, 0.32
HSL	309°, 21%, 60%
HSV	309°, 24%, 68%
XYZ	32.7815, 28.3284, 40.7909
YIQ	148.6620, 13.4760, 20.1000

Conversions

Conversions Part 2

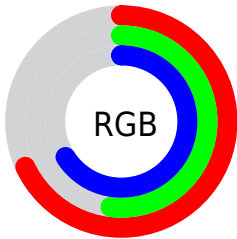
Format	Color
RYB	174, 132, 168
Decimal	11437224
CIELab	60.18, 22.26, -12.83
CIElCh	60, 25.694, 330.055
Yxy	28.3284, 0.3217, 0.2780
Android (android.graphics.Color)	4289627304 (0xFFAE84A8)
YUV	148.6620, 9.5336, 22.2214
Hunter-Lab	53.2244, 16.7972, -8.1824

Details

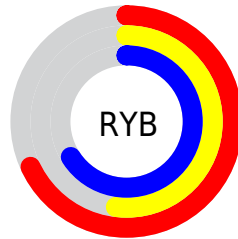
The Yxy color **28.3284, 0.3217, 0.2780** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.0264, 0.3049, 0.3860**, and the grayscale version is **29.8623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8486, 0.3204, 0.2877**, and **11.3605, 0.3239, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **23.9052, 0.3262, 0.2566**, and if you desaturate by 10%, it is **33.5433, 0.3176, 0.2995**.

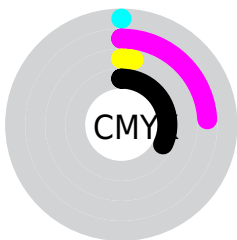
Distribution



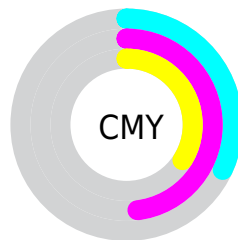
- Red (68%)
- Green (52%)
- Blue (66%)



- Red (68%)
- Yellow (52%)
- Blue (66%)



- Cyan (0%)
- Magenta (24%)
- Yellow (3%)
- Black (32%)




- Cyan (32%)
- Magenta (48%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3284, 0.3217, 0.2780 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 28.3284, 0.3217, 0.2780 by changing the saturation by 10% instead.


 28.3284, 0.3217,
0.2780


 28.3284, 0.3217,
0.2780


294.0328, 0.3173,
0.3045

 18.5734, 0.3228,
0.2710


 57.0083, 0.3201,
0.2879

 11.3624, 0.3241,
0.2619


 76.7020, 0.3195,
0.2915

 6.3111, 0.3257,
0.2493


 100.4773, 0.3190,
0.2946

 3.0352, 0.3279,
0.2311

128.7187, 0.3186,
0.2972

 1.1501, 0.3304,
0.2026

161.8106, 0.3182,
0.2994

 0.0204, 0.3747,
0.0136

200.1373, 0.3179,

 0.0000, 0.0000,

0.3013

0.0000

244.0832, 0.3176,
0.3030

■ 28.3284, 0.3217,
0.2780

■ 28.3284, 0.3217,
0.2780

■ 23.9052, 0.3262,
0.2566

■ 33.5433, 0.3176,
0.2995

■ 20.2308, 0.3311,
0.2361

■ 39.5824, 0.3141,
0.3205

■ 17.2642, 0.3364,
0.2174

■ 46.4811, 0.3109,
0.3406

■ 14.9587, 0.3418,
0.2015

■ 54.2715, 0.3083,
0.3596

■ 13.2621, 0.3473,
0.1891

■ 62.9841, 0.3059,
0.3772

■ 12.1144, 0.3526,
0.1808

■ 72.6480, 0.3040,
0.3935

■ 11.4434, 0.3577,
0.1770

■ 83.2910, 0.3023,
0.4084

■ 11.1759, 0.3606,
0.1760

■ 84.1523, 0.3010,
0.4066

■ 84.2607, 0.2997,
0.4036

Harmonies

Analogous

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



28.3284, 0.2801, 0.2626



28.3284, 0.3217, 0.2780



28.3284, 0.3633, 0.3049

Triad

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



28.3284, 0.3217, 0.2780



28.3284, 0.3775, 0.3973



28.3284, 0.2398, 0.3114

Complementary

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



28.3284, 0.3217, 0.2780



37.0264, 0.3049, 0.3860

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.



28.3284, 0.2627, 0.3529



28.3284, 0.3217, 0.2780



28.3284, 0.3417, 0.4053

Square

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



28.3284, 0.3217, 0.2780



28.3284, 0.3964, 0.3718



28.3284, 0.2996, 0.3891



28.3284, 0.2353, 0.2789

Rectangle

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



28.3284, 0.3217, 0.2780



28.3284, 0.3843, 0.3268



28.3284, 0.2996, 0.3891



28.3284, 0.2455, 0.3248

Sweetspot

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



28.3296, 0.3217, 0.2780



68.3613, 0.3151, 0.3144



24.9253, 0.2777, 0.2631



15.0496, 0.3153, 0.3131



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.



28.3296, 0.3217, 0.2780



46.8963, 0.3241, 0.2665



27.6214, 0.3442, 0.3066



8.1280, 0.3159, 0.3098



8.1088, 0.3601, 0.1757



0.2309, 0.3466, 0.1683

Inverse Universe

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



28.3296, 0.3217, 0.2780



46.8963, 0.3241, 0.2665



37.6810, 0.2891, 0.3527



8.1280, 0.3159, 0.3098



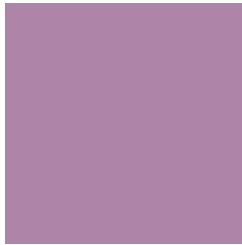
8.1088, 0.3601, 0.1757



0.2309, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 28.3284, 0.3217, 0.2780 looks on a white background.

Color Contrast Check

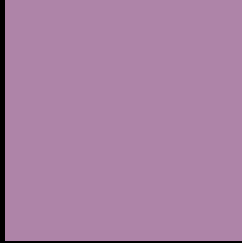
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3284, 0.3217, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

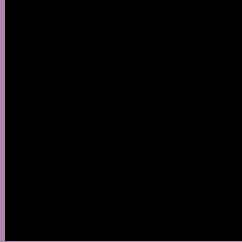
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3284, 0.3217, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 28.3284, 0.3217, 0.2780.



This preview shows how white text looks on a background with the Yxy color 28.3284, 0.3217, 0.2780.

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

28.3284, 0.3217, 0.2780

Protanopia

28.4844, 0.2778, 0.2797

Deuteranopia

28.5832, 0.2980, 0.2923



Tritanopia

28.3416, 0.3414, 0.3143

Trichromacy



Original Color

28.3284, 0.3217, 0.2780

Protanomaly

28.3526, 0.2925, 0.2794

Deuteranomaly

28.3379, 0.3063, 0.2859

Tritanomaly

28.4317, 0.3340, 0.3014

Monochromacy



Original Color

28.3284, 0.3217, 0.2780

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.3143, 0.3157, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3284, 0.3217, 0.2780 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, 132, 168)` looks like.

```
.text, #text, p{  
    color:rgb(174, 132, 168)  
}
```

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, 132, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 132, 168) }
```

Border

The CSS property to change the border of an element to Yxy 28.3284, 0.3217, 0.2780 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, 132, 168) }
```

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

```
.border{ border-color:rgb(174, 132, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 132, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 132, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 132, 168);  
box-shadow:4px 4px 4px 4px rgb(174, 132,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3284, 0.3217, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 132, 168) }
```

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

```
.background{ background-color: rgb(174,  
132, 168) }
```

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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