

Converting Colors

$Y_{xy}(27.6807, 0.3245, 0.2859)$

Have a look what the booklet for
Yxy(27.6807, 0.3245, 0.2859)
contains.

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Color

Yxy(27.6572, 0.3236, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	AA84A2
RGB	170, 132, 162
RGB Percent	67%, 52%, 64%
CMY	0.3334, 0.4823, 0.3647
CMYK	0.00, 0.22, 0.05, 0.33
HSL	313°, 18%, 59%
HSV	313°, 22%, 67%
XYZ	31.3481, 27.6572, 37.8676
YIQ	146.7820, 13.0180, 17.3860

Conversions

Conversions Part 2

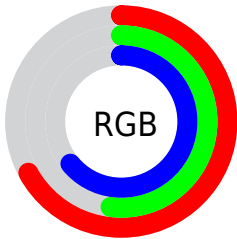
Format	Color
RYB	170, 132, 162
Decimal	11175074
CIELab	59.58, 19.69, -10.34
CIElCh	60, 22.241, 332.293
Yxy	27.6572, 0.3236, 0.2855
Android (android.graphics.Color)	4289365154 (0xFFAA84A2)
YUV	146.7820, 7.5025, 20.3622
Hunter-Lab	52.5901, 14.3681, -5.8788

Details

The Yxy color **27.6572, 0.3236, 0.2855** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.5444, 0.3034, 0.3768**, and the grayscale version is **29.0476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8764, 0.3218, 0.2936**, and **10.9423, 0.3269, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **23.2919, 0.3296, 0.2655**, and if you desaturate by 10%, it is **32.7798, 0.3183, 0.3054**.

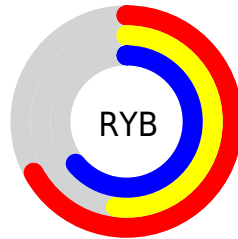
Distribution



Red (67%)

Green (52%)

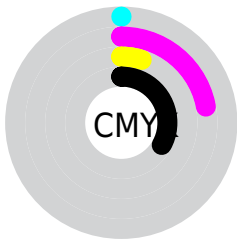
Blue (64%)



Red (67%)

Yellow (52%)

Blue (64%)

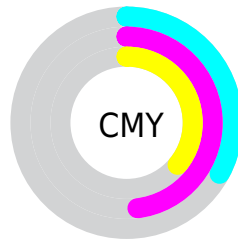


Cyan (0%)

Magenta (22%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (48%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6572, 0.3236, 0.2855 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 27.6572, 0.3236, 0.2855 by changing the saturation by 10% instead.


 27.6572, 0.3236,
0.2855


 27.6572, 0.3236,
0.2855


290.8252, 0.3180,
0.3084


 18.0674, 0.3250,
0.2794


 55.9367, 0.3216,
0.2941

 10.9984, 0.3269,
0.2713


 75.3952, 0.3208,
0.2972

 6.0658, 0.3293,
0.2602


 98.9120, 0.3201,
0.2999

 2.8851, 0.3328,
0.2437

126.8716, 0.3196,
0.3021

 1.0720, 0.3379,
0.2172

159.6583, 0.3191,
0.3040

 0.0000, 0.3936,
0.0000

197.6565, 0.3187,

 0.0000, 0.0000,

0.3056

0.0000

241.2507, 0.3184,
0.3071

■ 27.6572, 0.3236,
0.2855

■ 27.6572, 0.3236,
0.2855

■ 23.2919, 0.3296,
0.2655

■ 32.7798, 0.3183,
0.3054

■ 19.6438, 0.3364,
0.2461

■ 38.6899, 0.3137,
0.3246

■ 16.6747, 0.3438,
0.2281

■ 45.4206, 0.3098,
0.3429

■ 14.3416, 0.3517,
0.2125

■ 53.0019, 0.3064,
0.3601

■ 12.5963, 0.3598,
0.2002

■ 61.4624, 0.3036,
0.3761

■ 11.3836, 0.3681,
0.1921

■ 70.8293, 0.3012,
0.3908

■ 10.6382, 0.3761,
0.1884

■ 81.1286, 0.2992,
0.4042

■ 10.2723, 0.3821,
0.1878

■ 83.8088, 0.2973,
0.4039

■ 83.9677, 0.2955,
0.3996

Harmonies

Analogous

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



27.6572, 0.2868, 0.2710



27.6572, 0.3236, 0.2855



27.6572, 0.3592, 0.3101

Triad

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



27.6572, 0.3236, 0.2855



27.6572, 0.3677, 0.3900



27.6572, 0.2477, 0.3115

Complementary

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



27.6572, 0.3236, 0.2855



35.5444, 0.3034, 0.3768

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.



27.6572, 0.2670, 0.3472



27.6572, 0.3236, 0.2855



27.6572, 0.3357, 0.3949

Square

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



27.6572, 0.3236, 0.2855



27.6572, 0.3852, 0.3690



27.6572, 0.2988, 0.3791



27.6572, 0.2449, 0.2838

Rectangle

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



27.6572, 0.3236, 0.2855



27.6572, 0.3766, 0.3297



27.6572, 0.2988, 0.3791



27.6572, 0.2524, 0.3230

Sweetspot

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



27.6584, 0.3236, 0.2855



64.8956, 0.3158, 0.3155



24.9482, 0.2834, 0.2692



14.3356, 0.3161, 0.3144



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.



27.6584, 0.3236, 0.2855



45.9450, 0.3266, 0.2752



27.0452, 0.3441, 0.3121



7.6392, 0.3168, 0.3113



7.5660, 0.3813, 0.1874



0.1907, 0.3580, 0.1746

Inverse Universe

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



27.6584, 0.3236, 0.2855



45.9450, 0.3266, 0.2752



36.1401, 0.2888, 0.3466



7.6392, 0.3168, 0.3113



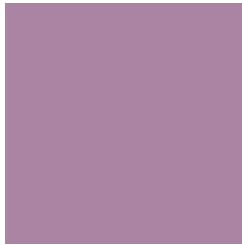
7.5660, 0.3813, 0.1874



0.1907, 0.3580, 0.1746

Previews

White Background



This preview shows how the Yxy color 27.6572, 0.3236, 0.2855 looks on a white background.

Color Contrast Check

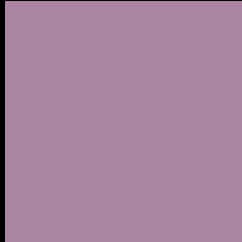
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6572, 0.3236, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

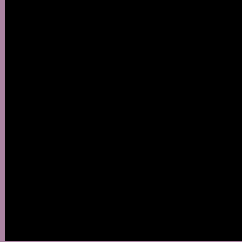
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6572, 0.3236, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 27.6572, 0.3236, 0.2855.



This preview shows how white text looks on a background with the Yxy color 27.6572, 0.3236, 0.2855.

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

27.6572, 0.3236, 0.2855

Protanopia

27.9985, 0.2845, 0.2883

Deuteranopia

27.8134, 0.3027, 0.2965



Tritanopia

27.6971, 0.3394, 0.3141

Trichromacy



Original Color

27.6572, 0.3236, 0.2855

Protanomaly

27.7024, 0.2979, 0.2876

Deuteranomaly

27.6326, 0.3101, 0.2926

Tritanomaly

27.7196, 0.3341, 0.3039

Monochromacy



Original Color

27.6572, 0.3236, 0.2855

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.5816, 0.3166, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6572, 0.3236, 0.2855 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, 132, 162)` looks like.

```
.text, #text, p{  
    color:rgb(170, 132, 162)  
}
```

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, 132, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 132, 162) }
```

Border

The CSS property to change the border of an element to Yxy 27.6572, 0.3236, 0.2855 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, 132, 162) }
```

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

```
.border{ border-color:rgb(170, 132, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 132, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 132, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 132, 162);  
box-shadow:4px 4px 4px 4px rgb(170, 132,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6572, 0.3236, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 132, 162) }
```

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

```
.background{ background-color: rgb(170,  
132, 162) }
```

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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