

Converting Colors

$Y_{xy}(27.9730, 0.3210, 0.2922)$

Have a look what the booklet for
Yxy(27.9730, 0.3210, 0.2922)
contains.

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Color

Yxy(27.9730, 0.3210, 0.2922)

Conversions

Conversions Part 1

Format	Color
Hex	A687A0
RGB	166, 135, 160
RGB Percent	65%, 53%, 63%
CMY	0.3491, 0.4705, 0.3726
CMYK	0.00, 0.19, 0.04, 0.35
HSL	312°, 15%, 59%
HSV	312°, 19%, 65%
XYZ	30.7301, 27.9730, 37.0293
YIQ	147.1190, 10.4510, 14.3470

Conversions

Conversions Part 2

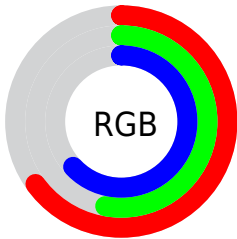
Format	Color
R _Y B	166, 135, 160
Decimal	10913696
CIE Lab	59.86, 16.17, -8.80
CIE LCh	60, 18.411, 331.441
Yxy	27.9730, 0.3210, 0.2922
Android (android.graphics.Color)	4289103776 (0xFFFA687A0)
YUV	147.1190, 6.3503, 16.5586
Hunter-Lab	52.8895, 11.1562, -4.4878

Details

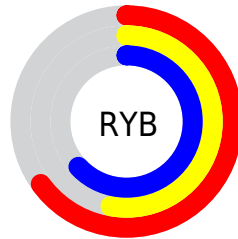
The Yxy color $27.9730, 0.3210, 0.2922$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $34.3397, 0.3054, 0.3688$, and the grayscale version is $29.1990, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.2449, 0.3190, 0.2987$, and $11.1785, 0.3231, 0.2790$ is the 20% darker color. If you saturate the color by 10%, you get $23.5864, 0.3264, 0.2719$, and if you desaturate by 10%, it is $33.0870, 0.3163, 0.3122$.

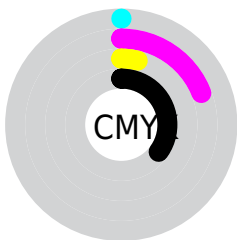
Distribution



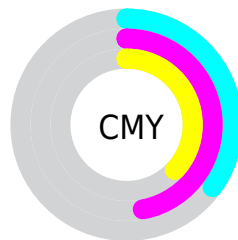
- Red (65%)
- Green (53%)
- Blue (63%)



- Red (65%)
- Yellow (53%)
- Blue (63%)



- Cyan (0%)
- Magenta (19%)
- Yellow (4%)
- Black (35%)





- Cyan (35%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9730, 0.3210, 0.2922 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 27.9730, 0.3210, 0.2922 by changing the saturation by 10% instead.


 27.9730, 0.3210,
0.2922


 27.9730, 0.3210,
0.2922


292.3379, 0.3168,
0.3116


 18.3053, 0.3221,
0.2870


 56.4413, 0.3194,
0.2995

 11.1694, 0.3235,
0.2801


 76.0108, 0.3189,
0.3022

 6.1809, 0.3254,
0.2704


 99.6496, 0.3184,
0.3044

 2.9554, 0.3281,
0.2561

127.7421, 0.3179,
0.3063

 1.1085, 0.3321,
0.2328

160.6728, 0.3176,
0.3079

 0.0000, 0.3885,
0.0000

198.8261, 0.3173,

 0.0000, 0.0000,

0.3093

0.0000

242.5863, 0.3170,
0.3105

■ 27.9730, 0.3210,
0.2922

■ 27.9730, 0.3210,
0.2922

■ 23.5864, 0.3264,
0.2719

■ 33.0870, 0.3163,
0.3122

■ 19.8903, 0.3324,
0.2519

■ 38.9559, 0.3122,
0.3315

■ 16.8497, 0.3390,
0.2330

■ 45.6104, 0.3087,
0.3498

■ 14.4254, 0.3461,
0.2161

■ 53.0783, 0.3057,
0.3669

■ 12.5740, 0.3535,
0.2022

■ 61.3859, 0.3032,
0.3827

■ 11.2463, 0.3610,
0.1922

■ 70.5587, 0.3011,
0.3972

■ 10.3848, 0.3683,
0.1866

■ 80.6206, 0.2993,
0.4106

■ 9.8820, 0.3754,
0.1849

■ 83.1565, 0.2977,
0.4104

■ 9.8214, 0.3764,
0.1847

■ 83.2944, 0.2960,
0.4065

Harmonies

Analogous

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



27.9730, 0.2907, 0.2804



27.9730, 0.3210, 0.2922



27.9730, 0.3503, 0.3127

Triad

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



27.9730, 0.3210, 0.2922



27.9730, 0.3589, 0.3792



27.9730, 0.2589, 0.3158

Complementary

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



27.9730, 0.3210, 0.2922



34.3397, 0.3054, 0.3688

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.



27.9730, 0.2755, 0.3449



27.9730, 0.3210, 0.2922



27.9730, 0.3329, 0.3830

Square

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



27.9730, 0.3210, 0.2922



27.9730, 0.3726, 0.3620



27.9730, 0.3024, 0.3704



27.9730, 0.2560, 0.2924

Rectangle

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



27.9730, 0.3210, 0.2922



27.9730, 0.3648, 0.3293



27.9730, 0.3024, 0.3704



27.9730, 0.2631, 0.3253

Sweetspot

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



27.9742, 0.3210, 0.2922



62.6450, 0.3152, 0.3172



25.7203, 0.2883, 0.2801



13.8765, 0.3155, 0.3160



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.9742, 0.3210, 0.2922



47.6440, 0.3229, 0.2846



27.4755, 0.3373, 0.3143



7.6413, 0.3166, 0.3110



7.6249, 0.3758, 0.1844



0.1917, 0.3547, 0.1728

Inverse Universe

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



27.9742, 0.3210, 0.2922



47.6440, 0.3229, 0.2846



34.8225, 0.2930, 0.3443



7.6413, 0.3166, 0.3110



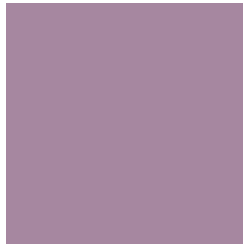
7.6249, 0.3758, 0.1844



0.1917, 0.3547, 0.1728

Previews

White Background



This preview shows how the Yxy color 27.9730, 0.3210, 0.2922 looks on a white background.

Color Contrast Check

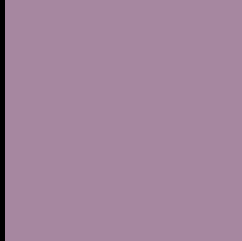
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9730, 0.3210, 0.2922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

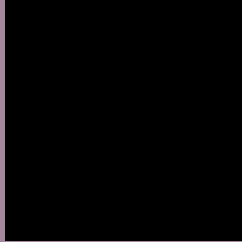
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9730, 0.3210, 0.2922

Background



This preview shows how black text looks on a background with the Yxy color 27.9730, 0.3210, 0.2922.



This preview shows how white text looks on a background with the Yxy color 27.9730, 0.3210, 0.2922.

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

27.9730, 0.3210, 0.2922

Protanopia

28.0243, 0.2900, 0.2945

Deuteranopia

27.9348, 0.3067, 0.2997



Tritanopia

27.9220, 0.3312, 0.3124

Trichromacy



Original Color

27.9730, 0.3210, 0.2922

Protanomaly

27.8845, 0.3008, 0.2936

Deuteranomaly

27.8483, 0.3121, 0.2971

Tritanomaly

27.8747, 0.3282, 0.3051

Monochromacy



Original Color

27.9730, 0.3210, 0.2922

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.7819, 0.3155, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9730, 0.3210, 0.2922 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(166, 135, 160)` looks like.

```
.text, #text, p{  
    color:rgb(166, 135, 160)  
}
```

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(166, 135, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 135, 160) }
```

Border

The CSS property to change the border of an element to Yxy 27.9730, 0.3210, 0.2922 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(166, 135, 160) }
```

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

```
.border{ border-color:rgb(166, 135, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 135, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 135, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 135, 160);  
box-shadow:4px 4px 4px 4px rgb(166, 135,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9730, 0.3210, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 135, 160) }
```

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

```
.background{ background-color: rgb(166,  
135, 160) }
```

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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