

Converting Colors

$Y_{xy}(27.7260, 0.3151, 0.2793)$

Have a look what the booklet for
Yxy(27.7260, 0.3151, 0.2793)
contains.

Yxy(27.7806, 0.3150, 0.2796)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.7806, 0.3150, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	A785A7
RGB	167, 133, 167
RGB Percent	65%, 52%, 65%
CMY	0.3452, 0.4784, 0.3450
CMYK	0.00, 0.20, 0.00, 0.35
HSL	300°, 16%, 59%
HSV	300°, 20%, 65%
XYZ	31.2979, 27.7806, 40.2799
YIQ	147.0420, 9.3500, 17.7820

Conversions

Conversions Part 2

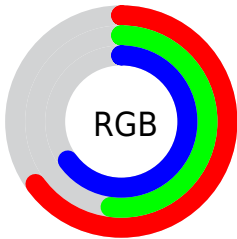
Format	Color
RYB	167, 133, 167
Decimal	10978727
CIELab	59.69, 19.02, -13.07
CIElCh	60, 23.082, 325.502
Yxy	27.7806, 0.3150, 0.2796
Android (android.graphics.Color)	4289168807 (0xFFA785A7)
YUV	147.0420, 9.8393, 17.5032
Hunter-Lab	52.7073, 13.7565, -8.4154

Details

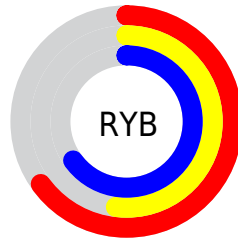
The Yxy color **27.7806, 0.3150, 0.2796** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.3272, 0.3102, 0.3839**, and the grayscale version is **29.1520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9213, 0.3146, 0.2890**, and **11.0692, 0.3158, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **23.5644, 0.3161, 0.2552**, and if you desaturate by 10%, it is **32.7264, 0.3139, 0.3041**.

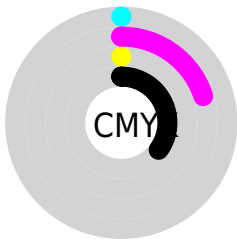
Distribution



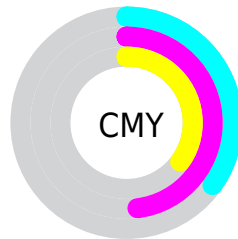
- Red (65%)
- Green (52%)
- Blue (65%)



- Red (65%)
- Yellow (52%)
- Blue (65%)



- Cyan (0%)
- Magenta (20%)
- Yellow (0%)
- Black (35%)




- Cyan (35%)
- Magenta (48%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7806, 0.3150, 0.2796 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 27.7806, 0.3150, 0.2796 by changing the saturation by 10% instead.


 27.7806, 0.3150,
0.2796


 27.7806, 0.3150,
0.2796


291.4171, 0.3142,
0.3055

 18.1603, 0.3151,
0.2728


 56.1340, 0.3148,
0.2893

 11.0652, 0.3151,
0.2637


 75.6359, 0.3147,
0.2928

 6.1107, 0.3150,
0.2513


 99.2004, 0.3146,
0.2958

 2.9125, 0.3144,
0.2331

127.2121, 0.3145,
0.2983

 1.0862, 0.3124,
0.2043

160.0551, 0.3144,
0.3005

 0.0000, 0.3300,
0.0000

198.1141, 0.3143,

 0.0000, 0.0000,

0.3024

0.0000

241.7732, 0.3142,
0.3040

■ 27.7806, 0.3150,
0.2796

■ 27.7806, 0.3150,
0.2796

■ 23.5644, 0.3161,
0.2552

■ 32.7264, 0.3139,
0.3041

■ 20.0399, 0.3172,
0.2318

■ 38.4301, 0.3128,
0.3281

■ 17.1713, 0.3182,
0.2103

■ 44.9232, 0.3117,
0.3511

■ 14.9180, 0.3190,
0.1915

■ 52.2340, 0.3107,
0.3728

■ 13.2350, 0.3197,
0.1762

■ 60.3896, 0.3098,
0.3929

■ 12.0712, 0.3202,
0.1650

■ 69.4160, 0.3089,
0.4113

■ 11.3665, 0.3205,
0.1579

■ 79.3376, 0.3081,
0.4282

■ 10.9915, 0.3207,
0.1540

■ 82.5379, 0.3079,
0.4330

■ 82.5396, 0.3079,
0.4330

Harmonies

Analogous

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



27.7806, 0.2782, 0.2675



27.7806, 0.3150, 0.2796



27.7806, 0.3533, 0.3030

Triad

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



27.7806, 0.3150, 0.2796



27.7806, 0.3753, 0.3884



27.7806, 0.2486, 0.3188

Complementary

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



27.7806, 0.3150, 0.2796



34.3272, 0.3102, 0.3839

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.



27.7806, 0.2719, 0.3562



27.7806, 0.3150, 0.2796



27.7806, 0.3448, 0.3980

Square

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



27.7806, 0.3150, 0.2796



27.7806, 0.3891, 0.3639



27.7806, 0.3068, 0.3865



27.7806, 0.2417, 0.2875

Rectangle

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



27.7806, 0.3150, 0.2796



27.7806, 0.3737, 0.3226



27.7806, 0.3068, 0.3865



27.7806, 0.2547, 0.3312

Sweetspot

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



27.7818, 0.3150, 0.2796



62.7730, 0.3134, 0.3144



24.7106, 0.2796, 0.2750



13.9081, 0.3135, 0.3130



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.



27.7818, 0.3150, 0.2796



46.5159, 0.3155, 0.2696



27.2152, 0.3325, 0.3028



7.6663, 0.3137, 0.3067



8.4090, 0.3207, 0.1540



0.2047, 0.3208, 0.1541

Inverse Universe

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



26.6890, 0.3522, 0.3291



44.2349, 0.3624, 0.3291



34.8152, 0.2967, 0.3568



7.5424, 0.3285, 0.3290



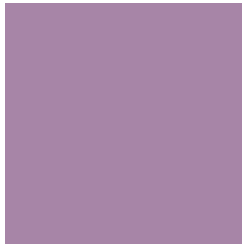
6.2869, 0.6399, 0.3299



0.1530, 0.6394, 0.3296

Previews

White Background



This preview shows how the Yxy color 27.7806, 0.3150, 0.2796 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 27.7806, 0.3150, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

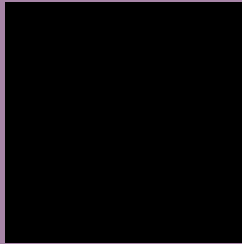
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7806, 0.3150, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 27.7806, 0.3150, 0.2796.



This preview shows how white text looks on a background with the Yxy color 27.7806, 0.3150, 0.2796.

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

27.7806, 0.3150, 0.2796

Protanopia

27.9804, 0.2792, 0.2822

Deuteranopia

27.8052, 0.2959, 0.2890



Tritanopia

27.8904, 0.3323, 0.3139

Trichromacy



Original Color

27.7806, 0.3150, 0.2796

Protanomaly

27.7014, 0.2913, 0.2802

Deuteranomaly

27.6131, 0.3031, 0.2852

Tritanomaly

27.9407, 0.3261, 0.3022

Monochromacy



Original Color

27.7806, 0.3150, 0.2796

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.5491, 0.3136, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7806, 0.3150, 0.2796 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(167, 133, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 133, 167)  
}
```

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(167, 133, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 133, 167) }
```

Border

The CSS property to change the border of an element to Yxy 27.7806, 0.3150, 0.2796 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(167, 133, 167) }
```

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

```
.border{ border-color:rgb(167, 133, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 133, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 133, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 133, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 133,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7806, 0.3150, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 133, 167) }
```

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

```
.background{ background-color: rgb(167,  
133, 167) }
```

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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