

# Converting Colors

$Y_{xy}(27.7700, 0.3922, 0.3190)$

Have a look what the booklet for  
Yxy(27.7700, 0.3922, 0.3190)  
contains.

<b>Yxy(27.7898, 0.3921, 0.3198)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(27.7898, 0.3921, 0.3198)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C47C83
RGB	196, 124, 131
RGB Percent	77%, 49%, 51%
CMY	0.2313, 0.5137, 0.4863
CMYK	0.00, 0.37, 0.33, 0.23
HSL	354°, 38%, 63%
HSV	354°, 37%, 77%
XYZ	34.0725, 27.7898, 25.0352
YIQ	146.3260, 40.6650, 17.4410

# Conversions

## Conversions Part 2

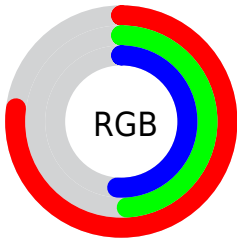
Format	Color
<a href="#">RYB</a>	<a href="#">196, 124, 131</a>
Decimal	<a href="#">12876931</a>
CIELab	<a href="#">59.70, 28.90, 7.99</a>
CIElCh	<a href="#">60, 29.986, 15.451</a>
Yxy	<a href="#">27.7898, 0.3921, 0.3198</a>
Android (android.graphics.Color)	<a href="#">4291067011 (0xFFC47C83)</a>
YUV	<a href="#">146.3260, -7.5557, 43.5641</a>
Hunter-Lab	<a href="#">52.7160, 23.1187, 8.7441</a>

# Details

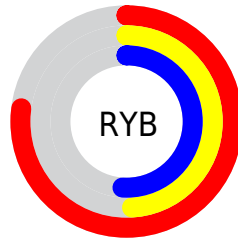
The Yxy color **27.7898, 0.3921, 0.3198** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.4496, 0.2659, 0.3388**, and the grayscale version is **28.9048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9758, 0.3751, 0.3218**, and **11.0822, 0.4199, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **22.9174, 0.4261, 0.3175**, and if you desaturate by 10%, it is **33.7234, 0.3640, 0.3224**.

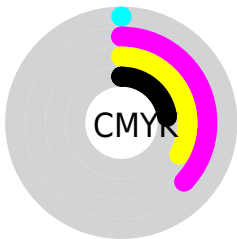
# Distribution



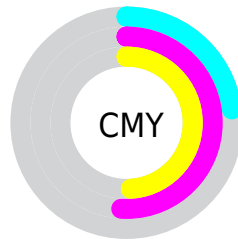
- Red (77%)
- Green (49%)
- Blue (51%)



- Red (77%)
- Yellow (49%)
- Blue (51%)



- Cyan (0%)
- Magenta (37%)
- Yellow (33%)
- Black (23%)




- Cyan (23%)
- Magenta (51%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7898, 0.3921, 0.3198 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 27.7898, 0.3921, 0.3198 by changing the saturation by 10% instead.





 27.7898, 0.3921,  
0.3198


 27.7898, 0.3921,  
0.3198


291.4611, 0.3487,  
0.3257


 18.1673, 0.4043,  
0.3178


 56.1487, 0.3753,  
0.3223

 11.0701, 0.4209,  
0.3149


 75.6538, 0.3693,  
0.3231

 6.1140, 0.4446,  
0.3102

 99.2219, 0.3644,  
0.3238

 2.9145, 0.4812,  
0.3021

127.2374, 0.3602,  
0.3243

 1.0873, 0.5496,  
0.2884

160.0847, 0.3567,  
0.3247

 0.0000, 1.0000,  
0.0000


198.1481, 0.3536,


 0.0000, 0.0000,

0.3251

0.0000


241.8122, 0.3510,  
0.3254

 27.7898, 0.3921,  
0.3198


 27.7898, 0.3921,  
0.3198


 22.9174, 0.4261,  
0.3175


 33.7234, 0.3640,  
0.3224

 19.0397, 0.4660,  
0.3158


 40.7714, 0.3413,  
0.3250

 16.0894, 0.5101,  
0.3152

 48.9883, 0.3230,  
0.3274


 13.9887, 0.5549,  
0.3161

 58.4237, 0.3083,  
0.3297

 12.6474, 0.5944,  
0.3190


 69.1246, 0.2964,  
0.3318

 11.9464, 0.6226,  
0.3232

 81.1353, 0.2868,  
0.3337

 11.7856, 0.6295,  
0.3241

 90.4712, 0.2784,  
0.3290

 90.4786, 0.2784,  
0.3289

# Harmonies

## Analogous

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



27.7898, 0.3491, 0.2844



27.7898, 0.3921, 0.3198



27.7898, 0.4119, 0.3593

# Triad

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



27.7898, 0.3921, 0.3198



27.7898, 0.3208, 0.4135



27.7898, 0.2287, 0.2581

# Complementary

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



27.7898, 0.3921, 0.3198



47.4496, 0.2659, 0.3388

# 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.



27.7898, 0.2227, 0.2862



27.7898, 0.3921, 0.3198



27.7898, 0.2733, 0.3803

# Square

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



27.7898, 0.3921, 0.3198



27.7898, 0.3682, 0.4173



27.7898, 0.2382, 0.3310



27.7898, 0.2551, 0.2496



# Rectangle

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



27.7898, 0.3921, 0.3198



27.7898, 0.4087, 0.3843



27.7898, 0.2382, 0.3310



27.7898, 0.2243, 0.2653

# Sweetspot

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



27.7911, 0.3921, 0.3198



81.8656, 0.3306, 0.3264



29.1964, 0.3094, 0.2370



17.0848, 0.3331, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



27.7911, 0.3921, 0.3198



43.1676, 0.4186, 0.3179



35.9127, 0.3866, 0.3676



10.0934, 0.3274, 0.3268



7.5769, 0.6275, 0.3230



0.3329, 0.5880, 0.3013



# Inverse Universe

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



27.7911, 0.3921, 0.3198



43.1676, 0.4186, 0.3179



35.9860, 0.2558, 0.2865



10.0934, 0.3274, 0.3268



7.5769, 0.6275, 0.3230

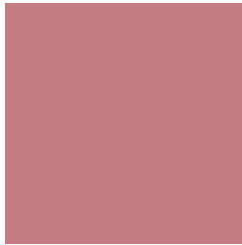


0.3329, 0.5880, 0.3013



# Previews

## White Background



This preview shows how the Yxy color 27.7898, 0.3921, 0.3198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

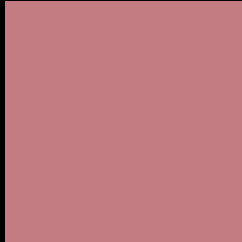
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.7898, 0.3921, 0.3198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

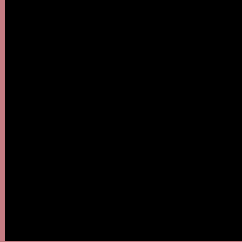
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.7898, 0.3921, 0.3198**

## Background



This preview shows how black text looks on a background with the Yxy color 27.7898, 0.3921, 0.3198.



This preview shows how white text looks on a background with the Yxy color 27.7898, 0.3921, 0.3198.

# 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

27.7898, 0.3921, 0.3198

### Protanopia

28.1026, 0.3179, 0.3322

### Deuteranopia

27.9163, 0.3525, 0.3461



## Tritanopia

27.8445, 0.3895, 0.3171

# Trichromacy



## Original Color

27.7898, 0.3921, 0.3198

## Protanomaly

27.7256, 0.3432, 0.3276

## Deuteranomaly

27.8653, 0.3670, 0.3365

## Tritanomaly

27.8170, 0.3908, 0.3184

# Monochromacy



## Original Color

27.7898, 0.3921, 0.3198

## Achromatopsia

28.7441, 0.3127, 0.3290

## Achromatomaly

27.9926, 0.3386, 0.3245

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.7898, 0.3921, 0.3198 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(196, 124, 131)` looks like.

```
.text, #text, p{  
    color:rgb(196, 124, 131)  
}
```

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(196, 124, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 124, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 27.7898, 0.3921, 0.3198 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(196, 124, 131) }
```

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

```
.border{ border-color:rgb(196, 124, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 124, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 124, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 124, 131);  
box-shadow:4px 4px 4px 4px rgb(196, 124,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.7898, 0.3921, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 124, 131) }
```

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

```
.background{ background-color: rgb(196,  
124, 131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor