

Converting Colors

$Y_{xy}(22.7847, 0.3916, 0.3233)$

Have a look what the booklet for
Yxy(22.7847, 0.3916, 0.3233)
contains.

Yxy(22.8076, 0.3919, 0.3233)	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(22.8076, 0.3919, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	B27276
RGB	178, 114, 118
RGB Percent	70%, 45%, 46%
CMY	0.3020, 0.5529, 0.5372
CMYK	0.00, 0.36, 0.34, 0.30
HSL	356°, 29%, 57%
HSV	356°, 36%, 70%
XYZ	27.6471, 22.8076, 20.0916
YIQ	133.5920, 36.8600, 14.8120

Conversions

Conversions Part 2

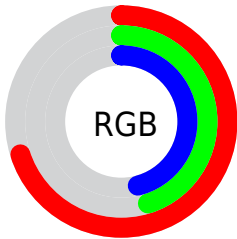
Format	Color
R_{YB}	178, 114, 118
Decimal	11694710
CIE _{Lab}	54.87, 25.80, 8.33
CIE _{LCh}	55, 27.112, 17.901
Yxy	22.8076, 0.3919, 0.3233
Android (android.graphics.Color)	4289884790 (0xFFB27276)
YUV	133.5920, -7.6869, 38.9458
Hunter-Lab	47.7573, 19.7598, 8.4867

Details

The Yxy color **22.8076, 0.3919, 0.3233** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **38.4705, 0.2656, 0.3351**, and the grayscale version is **23.7024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2019, 0.3740, 0.3258**, and **8.4337, 0.4224, 0.3191** is the 20% darker color. If you saturate the color by 10%, you get **18.8140, 0.4264, 0.3218**, and if you desaturate by 10%, it is **27.6549, 0.3635, 0.3249**.

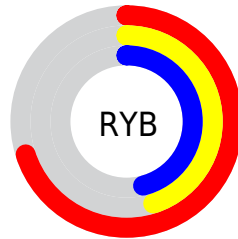
Distribution



Red (70%)

Green (45%)

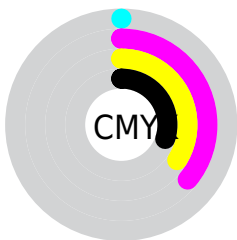
Blue (46%)



Red (70%)

Yellow (45%)

Blue (46%)

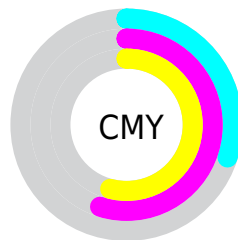


Cyan (0%)

Magenta (36%)

Yellow (34%)

Black (30%)



Cyan (30%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8076, 0.3919, 0.3233 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 22.8076, 0.3919, 0.3233 by changing the saturation by 10% instead.


 22.8076, 0.3919,
0.3233


 22.8076, 0.3919,
0.3233


266.7352, 0.3472,
0.3274


 14.4515, 0.4051,
0.3217


 48.0772, 0.3743,
0.3252


 8.4354, 0.4234,
0.3191


 65.7595, 0.3681,
0.3258

 4.3748, 0.4506,
0.3146

 87.3194, 0.3630,
0.3262

 1.8853, 0.4945,
0.3057

 113.1411, 0.3588,
0.3266

 0.5395, 0.6843,
0.3129

143.6092, 0.3553,
0.3268

 0.0000, 1.0000,
0.0000

179.1080, 0.3522,

 0.0000, 0.0000,

0.3271

0.0000

220.0219, 0.3496,
0.3273

■ 22.8076, 0.3919,
0.3233

■ 22.8076, 0.3919,
0.3233

■ 18.8140, 0.4264,
0.3218

■ 27.6549, 0.3635,
0.3249

■ 15.6215, 0.4669,
0.3208

■ 33.3978, 0.3405,
0.3266

■ 13.1770, 0.5118,
0.3204


■ 40.0795, 0.3219,
0.3281


■ 11.4196, 0.5573,
0.3211


■ 47.7394, 0.3071,
0.3296


■ 10.2788, 0.5971,
0.3230

■ 56.4146, 0.2951,
0.3309


 9.6640, 0.6251,
0.3258

 66.1403, 0.2854,
0.3321

 9.4886, 0.6332,
0.3262

 76.9501, 0.2774,
0.3332

 87.9793, 0.2708,
0.3327

 88.2040, 0.2691,
0.3289

Harmonies

Analogous

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



22.8076, 0.3518, 0.2884



22.8076, 0.3919, 0.3233



22.8076, 0.4088, 0.3616

Triad

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



22.8076, 0.3919, 0.3233



22.8076, 0.3167, 0.4088



22.8076, 0.2327, 0.2590

Complementary

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



22.8076, 0.3919, 0.3233



38.4705, 0.2656, 0.3351

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.



22.8076, 0.2252, 0.2848



22.8076, 0.3919, 0.3233



22.8076, 0.2713, 0.3748

Square

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



22.8076, 0.3919, 0.3233



22.8076, 0.3631, 0.4151



22.8076, 0.2386, 0.3272



22.8076, 0.2599, 0.2522

Rectangle

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



22.8076, 0.3919, 0.3233



22.8076, 0.4042, 0.3854



22.8076, 0.2386, 0.3272



22.8076, 0.2279, 0.2655

Sweetspot

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



22.8087, 0.3919, 0.3233



66.1201, 0.3311, 0.3273



24.2174, 0.3120, 0.2403



14.2949, 0.3337, 0.3271



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



22.8087, 0.3919, 0.3233



35.5900, 0.4183, 0.3221



29.9459, 0.3829, 0.3695



8.5136, 0.3277, 0.3276



6.7934, 0.6318, 0.3254



0.2166, 0.5994, 0.3076

Inverse Universe

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



22.8087, 0.3919, 0.3233



35.5900, 0.4183, 0.3221



28.6892, 0.2569, 0.2843



8.5136, 0.3277, 0.3276



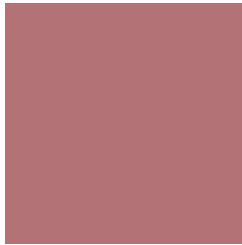
6.7934, 0.6318, 0.3254



0.2166, 0.5994, 0.3076

Previews

White Background



This preview shows how the Yxy color 22.8076, 0.3919, 0.3233 looks on a white background.

Color Contrast Check

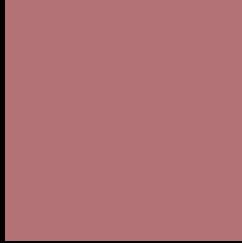
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8076, 0.3919, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

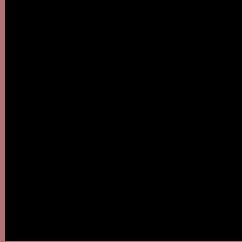
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8076, 0.3919, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 22.8076, 0.3919, 0.3233.



This preview shows how white text looks on a background with the Yxy color 22.8076, 0.3919, 0.3233.

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

22.8076, 0.3919, 0.3233

Protanopia

22.9158, 0.3217, 0.3360

Deuteranopia

22.9237, 0.3535, 0.3475



Tritanopia

22.6804, 0.3870, 0.3160

Trichromacy



Original Color

22.8076, 0.3919, 0.3233

Protanomaly

22.7018, 0.3458, 0.3308

Deuteranomaly

22.6770, 0.3668, 0.3372

Tritanomaly

22.6557, 0.3883, 0.3174

Monochromacy



Original Color

22.8076, 0.3919, 0.3233

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.2213, 0.3393, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8076, 0.3919, 0.3233 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(178, 114, 118)` looks like.

```
.text, #text, p{  
    color:rgb(178, 114, 118)  
}
```

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(178, 114, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 114, 118) }
```

Border

The CSS property to change the border of an element to Yxy 22.8076, 0.3919, 0.3233 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(178, 114, 118) }
```

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

```
.border{ border-color:rgb(178, 114, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 114, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 114, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 114, 118);  
box-shadow:4px 4px 4px 4px rgb(178, 114,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8076, 0.3919, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 114, 118) }
```

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

```
.background{ background-color: rgb(178,  
114, 118) }
```

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