

Converting Colors

$Y_{xy}(12.7101, 0.3883, 0.3225)$

Have a look what the booklet for
Yxy(12.7101, 0.3883, 0.3225)
contains.

Yxy(12.7055, 0.3882, 0.3235)	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(12.7055, 0.3882, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	87575A
RGB	135, 87, 90
RGB Percent	53%, 34%, 35%
CMY	0.4706, 0.6588, 0.6470
CMYK	0.00, 0.36, 0.33, 0.47
HSL	356°, 22%, 44%
HSV	356°, 36%, 53%
XYZ	15.2466, 12.7055, 11.3230
YIQ	101.6940, 27.6450, 11.1090

Conversions

Conversions Part 2

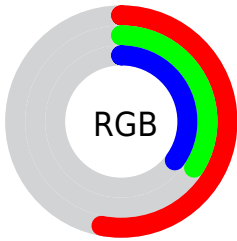
Format	Color
R_{YB}	135, 87, 90
Decimal	8869722
CIE Lab	42.32, 20.31, 6.49
CIE LCh	42, 21.324, 17.730
Yxy	12.7055, 0.3882, 0.3235
Android (android.graphics.Color)	4287059802 (0xFF87575A)
YUV	101.6940, -5.7651, 29.2094
Hunter-Lab	35.6448, 13.9728, 6.1171

Details

The Yxy color **12.7055, 0.3882, 0.3235** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.0226, 0.2669, 0.3348**, and the grayscale version is **13.2135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7319, 0.3693, 0.3250**, and **3.6143, 0.4250, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **10.5232, 0.4211, 0.3220**, and if you desaturate by 10%, it is **15.3346, 0.3610, 0.3251**.

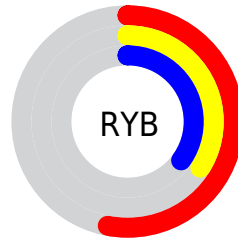
Distribution



Red (53%)

Green (34%)

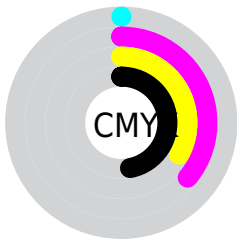
Blue (35%)



Red (53%)

Yellow (34%)

Blue (35%)

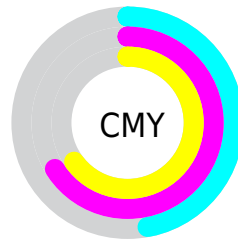


Cyan (0%)

Magenta (36%)

Yellow (33%)

Black (47%)



Cyan (47%)

Magenta (66%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7055, 0.3882, 0.3235 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 12.7055, 0.3882, 0.3235 by changing the saturation by 10% instead.


 12.7055, 0.3882,
0.3235


 12.7055, 0.3882,
0.3235


209.0215, 0.3421,
0.3277


 7.2261, 0.4040,
0.3215


 30.7737, 0.3687,
0.3255


 3.6039, 0.4281,
0.3180

 44.1312, 0.3623,
0.3261


 1.4545, 0.4687,
0.3108

 60.8836, 0.3572,
0.3266

 0.2564, 0.7426,
0.2574

 81.4152, 0.3530,
0.3269

 0.0000, 0.0000,
0.0000

 106.1103, 0.3496,
0.3271

135.3535, 0.3467,

0.3274

169.5291, 0.3442,
0.3275

■ 12.7055, 0.3882,
0.3235

■ 12.7055, 0.3882,
0.3235

■ 10.5232, 0.4211,
0.3220

■ 15.3346, 0.3610,
0.3251

■ 8.7612, 0.4599,
0.3209

■ 18.4315, 0.3389,
0.3267

■ 7.3929, 0.5032,
0.3204


■ 22.0180, 0.3211,
0.3282

■ 6.3881, 0.5480,
0.3209


■ 26.1140, 0.3067,
0.3296


■ 5.7122, 0.5887,
0.3225

■ 30.7385, 0.2950,
0.3309


 5.3137, 0.6196,
0.3248

 35.9092, 0.2855,
0.3321

 5.1702, 0.6306,
0.3247

 41.6433, 0.2777,
0.3332

 47.9569, 0.2713,
0.3341

 54.8658, 0.2660,
0.3350

Harmonies

Analogous

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



12.7055, 0.3499, 0.2899



12.7055, 0.3882, 0.3235



12.7055, 0.4045, 0.3604

Triad

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



12.7055, 0.3882, 0.3235



12.7055, 0.3170, 0.4051



12.7055, 0.2359, 0.2621

Complementary

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



12.7055, 0.3882, 0.3235



21.0226, 0.2669, 0.3348

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.



12.7055, 0.2288, 0.2871



12.7055, 0.3882, 0.3235



12.7055, 0.2734, 0.3730

Square

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



12.7055, 0.3882, 0.3235



12.7055, 0.3613, 0.4112



12.7055, 0.2419, 0.3277



12.7055, 0.2619, 0.2553

Rectangle

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



12.7055, 0.3882, 0.3235



12.7055, 0.4004, 0.3831



12.7055, 0.2419, 0.3277



12.7055, 0.2313, 0.2684

Sweetspot

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



12.7061, 0.3882, 0.3235



35.6636, 0.3308, 0.3274



13.4558, 0.3121, 0.2432



8.0905, 0.3329, 0.3272



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.7061, 0.3882, 0.3235



19.4152, 0.4155, 0.3223



16.5234, 0.3800, 0.3681



4.6931, 0.3270, 0.3277



4.7676, 0.6301, 0.3245



0.0168, 0.5887, 0.3017

Inverse Universe

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



12.7061, 0.3882, 0.3235



19.4152, 0.4155, 0.3223



15.8565, 0.2588, 0.2861



4.6931, 0.3270, 0.3277



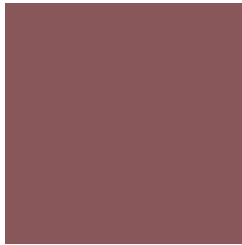
4.7676, 0.6301, 0.3245



0.0168, 0.5887, 0.3017

Previews

White Background



This preview shows how the Yxy color 12.7055, 0.3882, 0.3235 looks on a white background.

Color Contrast Check

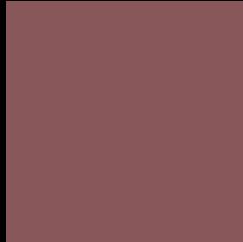
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.7055, 0.3882, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

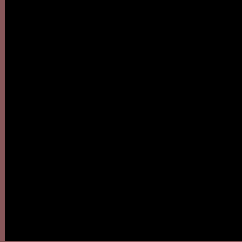
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7055, 0.3882, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 12.7055, 0.3882, 0.3235.



This preview shows how white text looks on a background with the Yxy color 12.7055, 0.3882, 0.3235.

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

12.7055, 0.3882, 0.3235

Protanopia

12.8610, 0.3213, 0.3357

Deuteranopia

12.8314, 0.3523, 0.3484



Tritanopia

12.7576, 0.3830, 0.3178

Trichromacy



Original Color

12.7055, 0.3882, 0.3235

Protanomaly

12.6374, 0.3455, 0.3312

Deuteranomaly

12.6875, 0.3655, 0.3374

Tritanomaly

12.7400, 0.3848, 0.3197

Monochromacy



Original Color

12.7055, 0.3882, 0.3235

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0086, 0.3373, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7055, 0.3882, 0.3235 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(135, 87, 90)` looks like.

```
.text, #text, p{  
  color:rgb(135, 87, 90)  
}
```

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(135, 87, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 87, 90) }
```

Border

The CSS property to change the border of an element to Yxy 12.7055, 0.3882, 0.3235 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(135, 87, 90) }
```

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

```
.border{ border-color:rgb(135, 87, 90) }
```

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

Here you see how a box with a 4 pixel rgb(135, 87, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 87, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 87, 90);  
box-shadow:4px 4px 4px 4px rgb(135, 87,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7055, 0.3882, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 87, 90) }
```

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

```
.background{ background-color: rgb(135, 87,  
90) }
```

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