

Converting Colors

$Y_{xy}(12.8996, 0.3846, 0.3222)$

Have a look what the booklet for
Yxy(12.8996, 0.3846, 0.3222)
contains.

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Color

Yxy(12.9031, 0.3842, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	87585C
RGB	135, 88, 92
RGB Percent	53%, 35%, 36%
CMY	0.4705, 0.6549, 0.6392
CMYK	0.00, 0.35, 0.32, 0.47
HSL	355°, 21%, 44%
HSV	355°, 35%, 53%
XYZ	15.4147, 12.9031, 11.8038
YIQ	102.5090, 26.7280, 11.2080

Conversions

Conversions Part 2

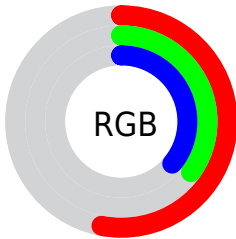
Format	Color
RYB	135, 88, 92
Decimal	8869980
CIELab	42.62, 20.01, 5.70
CIELCh	43, 20.806, 15.899
Yxy	12.9031, 0.3842, 0.3216
Android (android.graphics.Color)	4287060060 (0xFF87585C)
YUV	102.5090, -5.1809, 28.4946
Hunter-Lab	35.9209, 13.7381, 5.6617

Details

The Yxy color **12.9031, 0.3842, 0.3216** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.0449, 0.2687, 0.3368**, and the grayscale version is **13.4364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9488, 0.3656, 0.3236**, and **3.7380, 0.4233, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **10.6901, 0.4158, 0.3196**, and if you desaturate by 10%, it is **15.5631, 0.3581, 0.3238**.

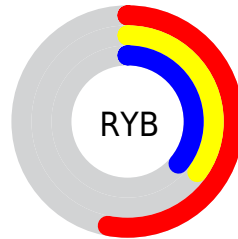
Distribution



Red (53%)

Green (35%)

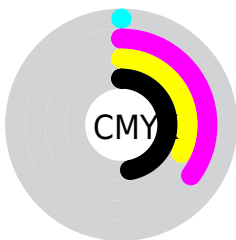
Blue (36%)



Red (53%)

Yellow (35%)

Blue (36%)

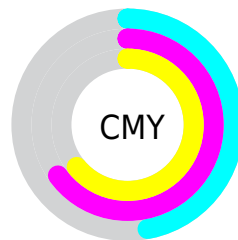


Cyan (0%)

Magenta (35%)

Yellow (32%)

Black (47%)



Cyan (47%)


Magenta (65%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9031, 0.3842, 0.3216 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 12.9031, 0.3842, 0.3216 by changing the saturation by 10% instead.


 12.9031, 0.3842,
0.3216


 12.9031, 0.3842,
0.3216


210.2957, 0.3406,
0.3268


 7.3619, 0.3991,
0.3194


 31.1296, 0.3658,
0.3240


 3.6894, 0.4217,
0.3156

 44.5836, 0.3598,
0.3248


 1.5014, 0.4598,
0.3081

 61.4440, 0.3549,
0.3253

 0.2897, 0.7250,
0.2750

 82.0952, 0.3510,
0.3257

 0.0000, 0.0000,
0.0000

 106.9216, 0.3478,
0.3261

136.3076, 0.3450,

0.3264

170.6375, 0.3427,
0.3266

■ 12.9031, 0.3842,
0.3216

■ 12.9031, 0.3842,
0.3216

■ 10.6901, 0.4158,
0.3196

■ 15.5631, 0.3581,
0.3238

■ 8.8977, 0.4532,
0.3179

■ 18.6908, 0.3369,
0.3260

■ 7.5000, 0.4954,
0.3170


■ 22.3078, 0.3198,
0.3281


■ 6.4670, 0.5395,
0.3174


■ 26.4339, 0.3059,
0.3300


■ 5.7648, 0.5809,
0.3192

■ 31.0877, 0.2946,
0.3317

 5.3470, 0.6136,
0.3223

 36.2869, 0.2855,
0.3333

 5.1773, 0.6272,
0.3229

 42.0484, 0.2779,
0.3348

 48.3884, 0.2717,
0.3361

 55.3224, 0.2665,
0.3373

Harmonies

Analogous

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



12.9031, 0.3461, 0.2892



12.9031, 0.3842, 0.3216



12.9031, 0.4016, 0.3575

Triad

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



12.9031, 0.3842, 0.3216



12.9031, 0.3197, 0.4038



12.9031, 0.2370, 0.2649

Complementary

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



12.9031, 0.3842, 0.3216



21.0449, 0.2687, 0.3368

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.



12.9031, 0.2313, 0.2905



12.9031, 0.3842, 0.3216



12.9031, 0.2770, 0.3740

Square

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



12.9031, 0.3842, 0.3216



12.9031, 0.3624, 0.4083



12.9031, 0.2453, 0.3305



12.9031, 0.2614, 0.2572

Rectangle

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



12.9031, 0.3842, 0.3216



12.9031, 0.3987, 0.3798



12.9031, 0.2453, 0.3305



12.9031, 0.2329, 0.2715

Sweetspot

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



12.9037, 0.3842, 0.3216



36.3322, 0.3286, 0.3270



13.4991, 0.3098, 0.2443



8.2332, 0.3307, 0.3267



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.



12.9037, 0.3842, 0.3216



19.8271, 0.4094, 0.3199



16.3309, 0.3792, 0.3644



4.6947, 0.3267, 0.3272



4.7741, 0.6266, 0.3226



0.0169, 0.5728, 0.2929

Inverse Universe

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



12.9037, 0.3842, 0.3216



19.8271, 0.4094, 0.3199



16.3626, 0.2603, 0.2904



4.6947, 0.3267, 0.3272



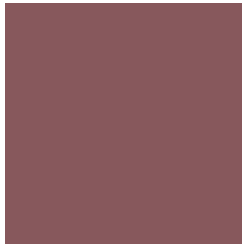
4.7741, 0.6266, 0.3226



0.0169, 0.5728, 0.2929

Previews

White Background



This preview shows how the Yxy color 12.9031, 0.3842, 0.3216 looks on a white background.

Color Contrast Check

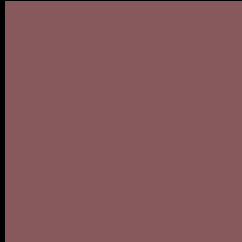
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9031, 0.3842, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

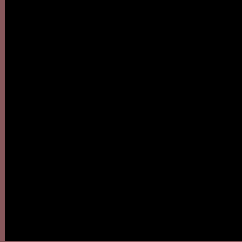
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9031, 0.3842, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 12.9031, 0.3842, 0.3216.



This preview shows how white text looks on a background with the Yxy color 12.9031, 0.3842, 0.3216.

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

12.9031, 0.3842, 0.3216

Protanopia

13.0918, 0.3183, 0.3334

Deuteranopia

12.9324, 0.3508, 0.3440



Tritanopia

12.9385, 0.3808, 0.3178

Trichromacy



Original Color

12.9031, 0.3842, 0.3216

Protanomaly

12.8551, 0.3421, 0.3291

Deuteranomaly

12.8983, 0.3618, 0.3353

Tritanomaly

12.9207, 0.3825, 0.3197

Monochromacy



Original Color

12.9031, 0.3842, 0.3216

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2811, 0.3370, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9031, 0.3842, 0.3216 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, 88, 92)` looks like.

```
.text, #text, p{  
    color:rgb(135, 88, 92)  
}
```

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, 88, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 88, 92) }
```

Border

The CSS property to change the border of an element to Yxy 12.9031, 0.3842, 0.3216 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, 88, 92) }
```

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

```
.border{ border-color:rgb(135, 88, 92) }
```

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

Here you see how a box with a 4 pixel rgb(135, 88, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 88, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 88, 92);  
box-shadow:4px 4px 4px 4px rgb(135, 88,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9031, 0.3842, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 88, 92) }
```

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

```
.background{ background-color: rgb(135, 88,  
92) }
```

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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