

Converting Colors

$Y_{xy}(12.8857, 0.3471, 0.2738)$

Have a look what the booklet for
Yxy(12.8857, 0.3471, 0.2738)
contains.

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Color

Yxy(12.8857, 0.3471, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	875573
RGB	135, 85, 115
RGB Percent	53%, 33%, 45%
CMY	0.4705, 0.6667, 0.5491
CMYK	0.00, 0.37, 0.15, 0.47
HSL	324°, 23%, 43%
HSV	324°, 37%, 53%
XYZ	16.3354, 12.8857, 17.8414
YIQ	103.3700, 20.1700, 19.9300

Conversions

Conversions Part 2

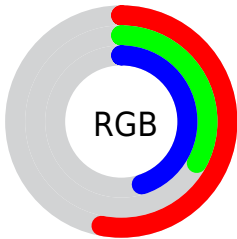
Format	Color
R_{YB}	135, 85, 115
Decimal	8869235
CIE Lab	42.59, 25.45, -8.42
CIE LCh	43, 26.806, 341.683
Yxy	12.8857, 0.3471, 0.2738
Android (android.graphics.Color)	4287059315 (0xFF875573)
YUV	103.3700, 5.7336, 27.7395
Hunter-Lab	35.8967, 18.4103, -4.3407

Details

The Yxy color **12.8857, 0.3471, 0.2738** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.2830, 0.2892, 0.3920**, and the grayscale version is **13.6474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2172, 0.3384, 0.2874**, and **3.6763, 0.3629, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **10.8387, 0.3602, 0.2591**, and if you desaturate by 10%, it is **15.3469, 0.3357, 0.2891**.

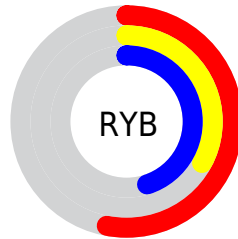
Distribution



Red (53%)

Green (33%)

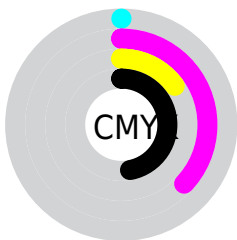
Blue (45%)



Red (53%)

Yellow (33%)

Blue (45%)

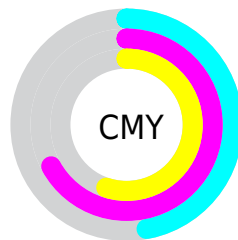


Cyan (0%)

Magenta (37%)

Yellow (15%)

Black (47%)



Cyan (47%)


Magenta (67%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8857, 0.3471, 0.2738 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 12.8857, 0.3471, 0.2738 by changing the saturation by 10% instead.


 12.8857, 0.3471,
0.2738


 12.8857, 0.3471,
0.2738


210.1838, 0.3269,
0.3060


 7.3499, 0.3536,
0.2637


 31.0983, 0.3388,
0.2869


 3.6819, 0.3630,
0.2491

 44.5438, 0.3360,
0.2913

 1.4972, 0.3779,
0.2264

 61.3948, 0.3338,
0.2949

 0.2868, 0.4296,
0.1377

 82.0355, 0.3319,
0.2979

 0.0000, 0.0000,
0.0000

 106.8503, 0.3303,
0.3004

136.2238, 0.3290,

0.3026

170.5401, 0.3279,
0.3044

■ 12.8857, 0.3471,
0.2738

■ 12.8857, 0.3471,
0.2738

■ 10.8387, 0.3602,
0.2591

■ 15.3469, 0.3357,
0.2891

■ 9.1807, 0.3750,
0.2457

■ 18.2418, 0.3260,
0.3043

■ 7.8868, 0.3913,
0.2346


■ 21.5911, 0.3177,
0.3191

■ 6.9283, 0.4087,
0.2270


■ 25.4134, 0.3108,
0.3331

■ 6.2721, 0.4266,
0.2237

■ 29.7263, 0.3050,
0.3462


 5.8561, 0.4446,
0.2248

 34.5467, 0.3001,
0.3584

 5.7452, 0.4501,
0.2253

 39.8904, 0.2961,
0.3696

 45.7726, 0.2927,
0.3800

 52.2081, 0.2899,
0.3895

Harmonies

Analogous

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



12.8857, 0.2887, 0.2476



12.8857, 0.3471, 0.2738



12.8857, 0.3994, 0.3124

Triad

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



12.8857, 0.3471, 0.2738



12.8857, 0.3819, 0.4288



12.8857, 0.2111, 0.2845

Complementary

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



12.8857, 0.3471, 0.2738



20.2830, 0.2892, 0.3920

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.



12.8857, 0.2312, 0.3381



12.8857, 0.3471, 0.2738



12.8857, 0.3283, 0.4302

Square

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



12.8857, 0.3471, 0.2738



12.8857, 0.4187, 0.3993



12.8857, 0.2732, 0.3953



12.8857, 0.2149, 0.2503

Rectangle

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



12.8857, 0.3471, 0.2738



12.8857, 0.4210, 0.3418



12.8857, 0.2732, 0.3953



12.8857, 0.2151, 0.3007

Sweetspot

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



12.8863, 0.3471, 0.2738



36.0362, 0.3210, 0.3129



11.2501, 0.2740, 0.2292



8.1847, 0.3220, 0.3112



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.



12.8863, 0.3471, 0.2738



20.1023, 0.3574, 0.2620



12.3870, 0.3894, 0.3197



4.7321, 0.3193, 0.3161



5.2995, 0.4495, 0.2250



0.0198, 0.3812, 0.1874

Inverse Universe

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



12.8863, 0.3471, 0.2738



20.1023, 0.3574, 0.2620



20.8746, 0.2669, 0.3389



4.7321, 0.3193, 0.3161



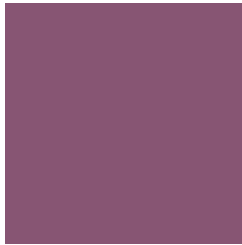
5.2995, 0.4495, 0.2250



0.0198, 0.3812, 0.1874

Previews

White Background



This preview shows how the Yxy color 12.8857, 0.3471, 0.2738 looks on a white background.

Color Contrast Check

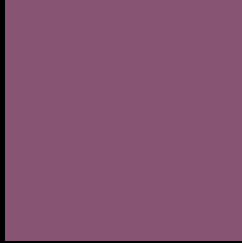
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8857, 0.3471, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

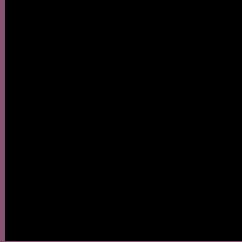
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8857, 0.3471, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 12.8857, 0.3471, 0.2738.



This preview shows how white text looks on a background with the Yxy color 12.8857, 0.3471, 0.2738.

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

12.8857, 0.3471, 0.2738

Protanopia

13.0279, 0.2747, 0.2758

Deuteranopia

12.9309, 0.3026, 0.2971



Tritanopia

12.9575, 0.3754, 0.3177

Trichromacy



Original Color

12.8857, 0.3471, 0.2738

Protanomaly

12.8799, 0.2993, 0.2758

Deuteranomaly

12.7566, 0.3177, 0.2864

Tritanomaly

13.0071, 0.3657, 0.3026

Monochromacy



Original Color

12.8857, 0.3471, 0.2738

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0721, 0.3258, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8857, 0.3471, 0.2738 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, 85, 115)` looks like.

```
.text, #text, p{  
    color:rgb(135, 85, 115)  
}
```

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, 85, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 85, 115) }
```

Border

The CSS property to change the border of an element to Yxy 12.8857, 0.3471, 0.2738 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, 85, 115) }
```

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

```
.border{ border-color:rgb(135, 85, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 85, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 85, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 85, 115);  
box-shadow:4px 4px 4px 4px rgb(135, 85,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8857, 0.3471, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 85, 115) }
```

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

```
.background{ background-color: rgb(135, 85,  
115) }
```

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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