

Converting Colors

$Y_{xy}(12.9190, 0.3252, 0.2289)$

Have a look what the booklet for
Yxy(12.9190, 0.3252, 0.2289)
contains.

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Color

Yxy(12.8647, 0.3251, 0.2282)

Conversions

Conversions Part 1

Format	Color
Hex	8E4D89
RGB	142, 77, 137
RGB Percent	56%, 30%, 54%
CMY	0.4430, 0.6981, 0.4628
CMYK	0.00, 0.46, 0.04, 0.44
HSL	305°, 30%, 43%
HSV	305°, 46%, 56%
XYZ	18.3274, 12.8647, 25.1826
YIQ	103.2750, 19.4800, 32.4400

Conversions

Conversions Part 2

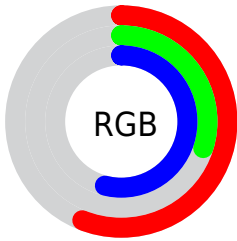
Format	Color
R_{YB}	142, 77, 137
Decimal	9325961
CIE _{Lab}	42.56, 36.45, -21.80
CIE _{LCh}	43, 42.477, 329.117
Yxy	12.8647, 0.3251, 0.2282
Android (android.graphics.Color)	4287516041 (0xFF8E4D89)
YUV	103.2750, 16.6264, 33.9618
Hunter-Lab	35.8674, 28.4414, -16.5204

Details

The Yxy color **12.8647, 0.3251, 0.2282** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.5402, 0.3022, 0.4564**, and the grayscale version is **13.5914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0702, 0.3228, 0.2498**, and **3.6923, 0.3268, 0.1899** is the 20% darker color. If you saturate the color by 10%, you get **11.0591, 0.3282, 0.2091**, and if you desaturate by 10%, it is **15.1057, 0.3220, 0.2493**.

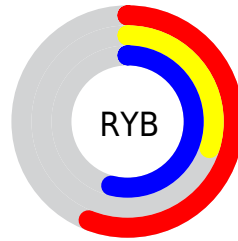
Distribution



Red (56%)

Green (30%)

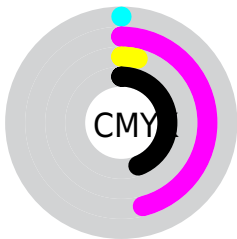
Blue (54%)



Red (56%)

Yellow (30%)

Blue (54%)

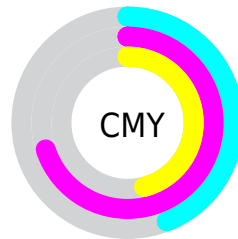


Cyan (0%)

Magenta (46%)

Yellow (4%)

Black (44%)



Cyan (44%)


Magenta (70%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8647, 0.3251, 0.2282 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 12.8647, 0.3251, 0.2282 by changing the saturation by 10% instead.


 12.8647, 0.3251,
0.2282


 12.8647, 0.3251,
0.2282


210.0487, 0.3194,
0.2846


 7.3354, 0.3261,
0.2119


 31.0605, 0.3233,
0.2503


 3.6728, 0.3268,
0.1896


 44.4958, 0.3225,
0.2581

 1.4922, 0.3265,
0.1577

 61.3353, 0.3218,
0.2645

 0.2833, 0.3332,
0.0786

 81.9633, 0.3212,
0.2699

 0.0000, 0.1456,
0.0000

 106.7643, 0.3207,
0.2744

 0.0000, 0.0000,
0.0000

136.1226, 0.3202,

0.2783

170.4226, 0.3198,
0.2817

■ 12.8647, 0.3251,
0.2282

■ 12.8647, 0.3251,
0.2282

■ 11.0591, 0.3282,
0.2091

■ 15.1057, 0.3220,
0.2493

■ 9.6586, 0.3314,
0.1928

■ 17.8064, 0.3192,
0.2716

■ 8.6319, 0.3344,
0.1801


■ 20.9912, 0.3165,
0.2942

■ 7.9422, 0.3372,
0.1715

■ 24.6824, 0.3140,
0.3164

■ 7.5352, 0.3398,
0.1667


■ 28.9010, 0.3118,
0.3379

 7.3929, 0.3409,
0.1652

 33.6666, 0.3099,
0.3583

 38.9980, 0.3082,
0.3773

 44.9129, 0.3067,
0.3949

 51.4284, 0.3054,
0.4111

Harmonies

Analogous

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



12.8647, 0.2413, 0.2005



12.8647, 0.3251, 0.2282



12.8647, 0.4180, 0.2758

Triad

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



12.8647, 0.3251, 0.2282



12.8647, 0.4415, 0.4609



12.8647, 0.1688, 0.2862

Complementary

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



12.8647, 0.3251, 0.2282



21.5402, 0.3022, 0.4564

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.



12.8647, 0.2092, 0.3825



12.8647, 0.3251, 0.2282



12.8647, 0.3658, 0.4973

Square

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



12.8647, 0.3251, 0.2282



12.8647, 0.4869, 0.3996



12.8647, 0.2808, 0.4717



12.8647, 0.1621, 0.2237

Rectangle

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



12.8647, 0.3251, 0.2282



12.8647, 0.4657, 0.3147



12.8647, 0.2808, 0.4717



12.8647, 0.1784, 0.3155

Sweetspot

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



12.8653, 0.3251, 0.2282



37.9207, 0.3161, 0.2975



9.0237, 0.2344, 0.1930



8.2090, 0.3166, 0.2932



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.8653, 0.3251, 0.2282



19.3959, 0.3283, 0.2085



12.0827, 0.3778, 0.2788



5.5039, 0.3148, 0.3090



6.6364, 0.3408, 0.1651



0.0648, 0.3300, 0.1591

Inverse Universe

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



12.8653, 0.3251, 0.2282



19.3959, 0.3283, 0.2085



22.1421, 0.2755, 0.3869



5.5039, 0.3148, 0.3090



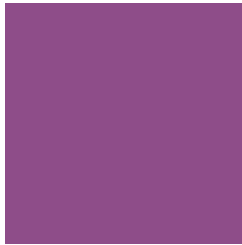
6.6364, 0.3408, 0.1651



0.0648, 0.3300, 0.1591

Previews

White Background



This preview shows how the Yxy color 12.8647, 0.3251, 0.2282 looks on a white background.

Color Contrast Check

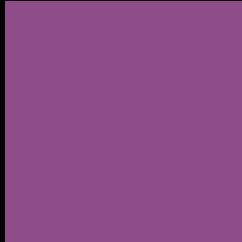
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8647, 0.3251, 0.2282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

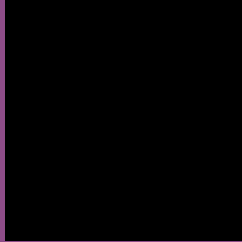
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8647, 0.3251, 0.2282

Background



This preview shows how black text looks on a background with the Yxy color 12.8647, 0.3251, 0.2282.



This preview shows how white text looks on a background with the Yxy color 12.8647, 0.3251, 0.2282.

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

12.8647, 0.3251, 0.2282

Protanopia

13.0396, 0.2310, 0.2187

Deuteranopia

12.9443, 0.2634, 0.2581



Tritanopia

12.9251, 0.3862, 0.3180

Trichromacy



Original Color

12.8647, 0.3251, 0.2282

Protanomaly

12.5039, 0.2583, 0.2200

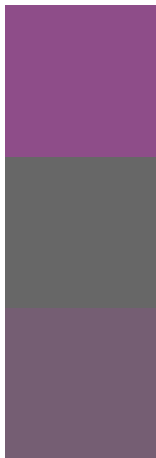
Deuteranomaly

12.5829, 0.2841, 0.2448

Tritanomaly

12.7796, 0.3639, 0.2818

Monochromacy



Original Color

12.8647, 0.3251, 0.2282

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0251, 0.3177, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8647, 0.3251, 0.2282 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(142, 77, 137)` looks like.

```
.text, #text, p{  
    color:rgb(142, 77, 137)  
}
```

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(142, 77, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 77, 137) }
```

Border

The CSS property to change the border of an element to Yxy 12.8647, 0.3251, 0.2282 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(142, 77, 137) }
```

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

```
.border{ border-color:rgb(142, 77, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 77, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 77, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 77, 137); box-shadow:4px 4px 4px 4px rgb(142, 77, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8647, 0.3251, 0.2282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 77, 137) }
```

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

```
.background{ background-color: rgb(142, 77,  
137) }
```

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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