

Converting Colors

$Y_{xy}(12.4028, 0.2859, 0.1932)$

Have a look what the booklet for
Yxy(12.4028, 0.2859, 0.1932)
contains.

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Color

Yxy(12.4002, 0.2866, 0.1935)

Conversions

Conversions Part 1

Format	Color
Hex	864A9D
RGB	134, 74, 157
RGB Percent	53%, 29%, 62%
CMY	0.4745, 0.7098, 0.3844
CMYK	0.15, 0.53, 0.00, 0.38
HSL	283°, 36%, 45%
HSV	283°, 53%, 62%
XYZ	18.3664, 12.4002, 33.3171
YIQ	101.4020, 9.1170, 38.5330

Conversions

Conversions Part 2

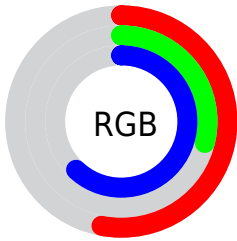
Format	Color
RYB	134, 74, 157
Decimal	8800925
CIELab	41.85, 39.73, -35.04
CIElCh	42, 52.976, 318.593
Yxy	12.4002, 0.2866, 0.1935
Android (android.graphics.Color)	4286991005 (0xFF864A9D)
YUV	101.4020, 27.4098, 28.5884
Hunter-Lab	35.2139, 31.4752, -31.4466

Details

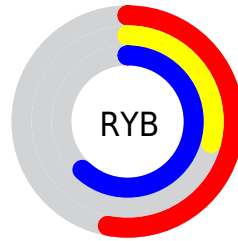
The Yxy color **12.4002, 0.2866, 0.1935** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **27.1434, 0.3246, 0.4837**, and the grayscale version is **13.0495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2395, 0.2946, 0.2216**, and **3.4670, 0.2702, 0.1474** is the 20% darker color. If you saturate the color by 10%, you get **10.2099, 0.2797, 0.1703**, and if you desaturate by 10%, it is **15.1293, 0.2930, 0.2189**.

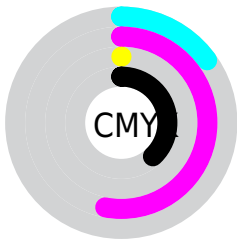
Distribution



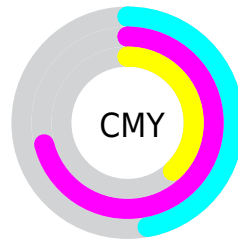
- Red (53%)
- Green (29%)
- Blue (62%)



- Red (53%)
- Yellow (29%)
- Blue (62%)



- Cyan (15%)
- Magenta (53%)
- Yellow (0%)
- Black (38%)





- Cyan (47%)
- Magenta (71%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4002, 0.2866, 0.1935 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 12.4002, 0.2866, 0.1935 by changing the saturation by 10% instead.


 12.4002, 0.2866,
0.1935

 12.4002, 0.2866,
0.1935


207.0370, 0.3045,
0.2672


 7.0168, 0.2799,
0.1736


 30.2219, 0.2946,
0.2216


 3.4726, 0.2696,
0.1475


 43.4291, 0.2971,
0.2317


 1.3832, 0.2525,
0.1126

 60.0130, 0.2991,
0.2402

 0.2043, 0.2282,
0.0386

 80.3580, 0.3007,
0.2473

 0.0000, 0.0670,
0.0000

 104.8485, 0.3019,
0.2534

 0.0000, 0.0000,
0.0000

133.8689, 0.3029,

0.2586

167.8036, 0.3038,
0.2632

■ 12.4002, 0.2866,
0.1935

■ 12.4002, 0.2866,
0.1935

■ 10.2099, 0.2797,
0.1703

■ 15.1293, 0.2930,
0.2189

■ 8.5170, 0.2724,
0.1503

■ 18.4313, 0.2988,
0.2453

■ 7.2764, 0.2650,
0.1343

■ 22.3394, 0.3038,
0.2718

■ 6.4342, 0.2577,
0.1229

■ 26.8839, 0.3082,
0.2976

■ 5.9796, 0.2527,
0.1166

■ 32.0927, 0.3118,
0.3222

■ 37.9923, 0.3148,
0.3453

■ 44.6077, 0.3172,
0.3666

■ 51.9625, 0.3192,
0.3861

■ 60.0794, 0.3208,
0.4038

Harmonies

Analogous

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



12.4002, 0.1975, 0.1707



12.4002, 0.2866, 0.1935



12.4002, 0.4044, 0.2412

Triad

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



12.4002, 0.2866, 0.1935



12.4002, 0.4899, 0.4555



12.4002, 0.1501, 0.3101

Complementary

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



12.4002, 0.2866, 0.1935



27.1434, 0.3246, 0.4837

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.



12.4002, 0.2094, 0.4440



12.4002, 0.2866, 0.1935



12.4002, 0.4046, 0.5254

Square

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



12.4002, 0.2866, 0.1935



12.4002, 0.5327, 0.3778



12.4002, 0.3033, 0.5371



12.4002, 0.1317, 0.2183

Rectangle

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



12.4002, 0.2866, 0.1935



12.4002, 0.4766, 0.2830



12.4002, 0.3033, 0.5371



12.4002, 0.1651, 0.3524

Sweetspot

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



12.4007, 0.2866, 0.1935



45.2190, 0.3067, 0.2888



12.5340, 0.2228, 0.2111



9.6092, 0.3059, 0.2839



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



12.4007, 0.2866, 0.1935



17.8283, 0.2787, 0.1674



13.9284, 0.3447, 0.2285



6.6622, 0.3095, 0.3067



4.8766, 0.2532, 0.1168



0.1069, 0.2819, 0.1327

Inverse Universe

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



12.9267, 0.4182, 0.2921



19.0839, 0.4557, 0.2868



26.3373, 0.2925, 0.4583



6.6748, 0.3243, 0.3228



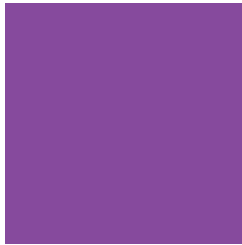
5.9718, 0.5792, 0.2965



0.1134, 0.4788, 0.2412

Previews

White Background



This preview shows how the Yxy color 12.4002, 0.2866, 0.1935 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 12.4002, 0.2866, 0.1935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

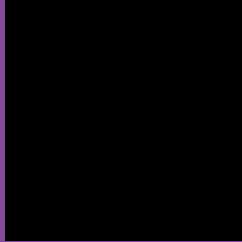
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4002, 0.2866, 0.1935

Background



This preview shows how black text looks on a background with the Yxy color 12.4002, 0.2866, 0.1935.



This preview shows how white text looks on a background with the Yxy color 12.4002, 0.2866, 0.1935.

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

12.4002, 0.2866, 0.1935

Protanopia

12.7244, 0.2004, 0.1799

Deuteranopia

12.6071, 0.2261, 0.2214



Tritanopia

12.3493, 0.3608, 0.3151

Trichromacy



Original Color

12.4002, 0.2866, 0.1935

Protanomaly

12.0733, 0.2222, 0.1818

Deuteranomaly

12.0783, 0.2431, 0.2067

Tritanomaly

12.2378, 0.3316, 0.2645

Monochromacy



Original Color

12.4002, 0.2866, 0.1935

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.3734, 0.3036, 0.2683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4002, 0.2866, 0.1935 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(134, 74, 157)` looks like.

```
.text, #text, p{  
    color:rgb(134, 74, 157)  
}
```

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(134, 74, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 74, 157) }
```

Border

The CSS property to change the border of an element to Yxy 12.4002, 0.2866, 0.1935 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(134, 74, 157) }
```

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

```
.border{ border-color:rgb(134, 74, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 74, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 74, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 74, 157);  
box-shadow:4px 4px 4px 4px rgb(134, 74,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4002, 0.2866, 0.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 74, 157) }
```

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

```
.background{ background-color: rgb(134, 74,  
157) }
```

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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