

Converting Colors

$Y_{xy}(12.4475, 0.3049, 0.2126)$

Have a look what the booklet for
Yxy(12.4475, 0.3049, 0.2126)
contains.

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Color

Yxy(12.4475, 0.3049, 0.2126)

Conversions

Conversions Part 1

Format	Color
Hex	884C91
RGB	136, 76, 145
RGB Percent	53%, 30%, 57%
CMY	0.4666, 0.7020, 0.4314
CMYK	0.06, 0.48, 0.00, 0.43
HSL	292°, 31%, 43%
HSV	292°, 48%, 57%
XYZ	17.8516, 12.4475, 28.2499
YIQ	101.8060, 13.6110, 34.1790

Conversions

Conversions Part 2

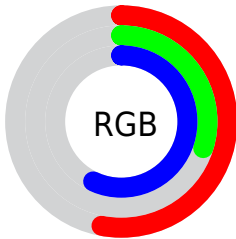
Format	Color
R_{YB}	136, 76, 145
Decimal	8932497
CIE _{Lab}	41.92, 36.69, -27.70
CIE _{LCh}	42, 45.973, 322.948
Yxy	12.4475, 0.3049, 0.2126
Android (android.graphics.Color)	4287122577 (0xFF884C91)
YUV	101.8060, 21.2946, 29.9881
Hunter-Lab	35.2810, 28.5760, -22.7774

Details

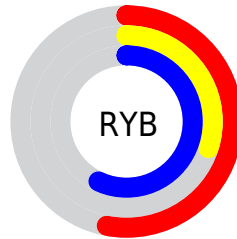
The Yxy color **12.4475, 0.3049, 0.2126** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.7022, 0.3142, 0.4701**, and the grayscale version is **13.1747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3786, 0.3087, 0.2381**, and **3.4768, 0.2962, 0.1697** is the 20% darker color. If you saturate the color by 10%, you get **10.5141, 0.3023, 0.1908**, and if you desaturate by 10%, it is **14.8351, 0.3072, 0.2364**.

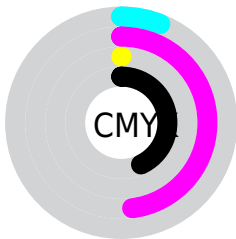
Distribution



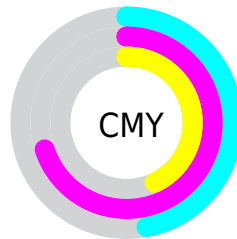
- Red (53%)
- Green (30%)
- Blue (57%)



- Red (53%)
- Yellow (30%)
- Blue (57%)



- Cyan (6%)
- Magenta (48%)
- Yellow (0%)
- Black (43%)




- Cyan (47%)
- Magenta (70%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4475, 0.3049, 0.2126 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 12.4475, 0.3049, 0.2126 by changing the saturation by 10% instead.


 12.4475, 0.3049,
0.2126


 12.4475, 0.3049,
0.2126


207.3458, 0.3116,
0.2772


 7.0492, 0.3017,
0.1944


 30.3076, 0.3083,
0.2376


 3.4929, 0.2964,
0.1699


 43.5381, 0.3092,
0.2466

 1.3942, 0.2866,
0.1357

 60.1482, 0.3099,
0.2539

 0.2124, 0.2759,
0.0521

 80.5223, 0.3104,
0.2601

 0.0000, 0.0450,
0.0000

 105.0446, 0.3108,
0.2653

 0.0000, 0.0000,
0.0000

134.0998, 0.3112,

0.2698

168.0720, 0.3114,
0.2738

■ 12.4475, 0.3049,
0.2126

■ 12.4475, 0.3049,
0.2126

■ 10.5141, 0.3023,
0.1908

■ 14.8351, 0.3072,
0.2364

■ 9.0025, 0.2994,
0.1719

■ 17.7030, 0.3091,
0.2613

■ 7.8789, 0.2963,
0.1566


■ 21.0774, 0.3107,
0.2864


■ 7.1033, 0.2930,
0.1455

■ 24.9820, 0.3120,
0.3110

■ 6.6012, 0.2897,
0.1382


■ 29.4390, 0.3129,
0.3346

 6.4908, 0.2889,
0.1365

 34.4694, 0.3136,
0.3568

 40.0930, 0.3141,
0.3774

 46.3289, 0.3144,
0.3964

 53.1950, 0.3145,
0.4138

Harmonies

Analogous

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



12.4475, 0.2202, 0.1882



12.4475, 0.3049, 0.2126



12.4475, 0.4078, 0.2593

Triad

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



12.4475, 0.3049, 0.2126



12.4475, 0.4639, 0.4564



12.4475, 0.1634, 0.3002

Complementary

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



12.4475, 0.3049, 0.2126



22.7022, 0.3142, 0.4701

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.



12.4475, 0.2132, 0.4110



12.4475, 0.3049, 0.2126



12.4475, 0.3862, 0.5081

Square

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



12.4475, 0.3049, 0.2126



12.4475, 0.5054, 0.3878



12.4475, 0.2949, 0.4998



12.4475, 0.1500, 0.2246

Rectangle

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



12.4475, 0.3049, 0.2126



12.4475, 0.4662, 0.2990



12.4475, 0.2949, 0.4998



12.4475, 0.1758, 0.3348

Sweetspot

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



12.4480, 0.3049, 0.2126



39.9484, 0.3112, 0.2946



10.1074, 0.2289, 0.2038



8.5964, 0.3109, 0.2898



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.4480, 0.3049, 0.2126



18.6476, 0.3021, 0.1896



12.5358, 0.3574, 0.2541



5.4760, 0.3118, 0.3072



5.5752, 0.2891, 0.1366



0.0597, 0.3058, 0.1458

Inverse Universe

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



11.8424, 0.4209, 0.3135



17.5149, 0.4605, 0.3110



22.7324, 0.2856, 0.4197



5.4348, 0.3262, 0.3262



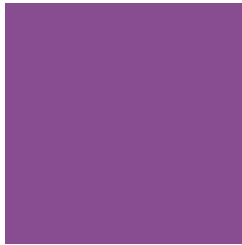
5.2056, 0.6189, 0.3183



0.0515, 0.5443, 0.2772

Previews

White Background



This preview shows how the Yxy color 12.4475, 0.3049, 0.2126 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 12.4475, 0.3049, 0.2126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

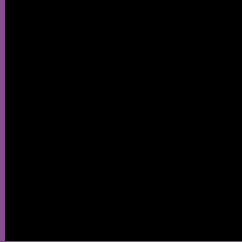
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4475, 0.3049, 0.2126

Background



This preview shows how black text looks on a background with the Yxy color 12.4475, 0.3049, 0.2126.



This preview shows how white text looks on a background with the Yxy color 12.4475, 0.3049, 0.2126.

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

12.4475, 0.3049, 0.2126

Protanopia

12.6102, 0.2178, 0.2014

Deuteranopia

12.5433, 0.2453, 0.2397



Tritanopia

12.4728, 0.3694, 0.3154

Trichromacy



Original Color

12.4475, 0.3049, 0.2126

Protanomaly

12.0319, 0.2422, 0.2024

Deuteranomaly

12.1489, 0.2643, 0.2272

Tritanomaly

12.4384, 0.3458, 0.2746

Monochromacy



Original Color

12.4475, 0.3049, 0.2126

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7141, 0.3091, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4475, 0.3049, 0.2126 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(136, 76, 145)` looks like.

```
.text, #text, p{  
    color:rgb(136, 76, 145)  
}
```

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(136, 76, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 76, 145) }
```

Border

The CSS property to change the border of an element to Yxy 12.4475, 0.3049, 0.2126 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(136, 76, 145) }
```

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

```
.border{ border-color:rgb(136, 76, 145) }
```

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

Here you see how a box with a 4 pixel rgb(136, 76, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 76, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 76, 145);  
box-shadow:4px 4px 4px 4px rgb(136, 76,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4475, 0.3049, 0.2126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 76, 145) }
```

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

```
.background{ background-color: rgb(136, 76,  
145) }
```

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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