

Converting Colors

$Y_{xy}(12.3300, 0.2878, 0.2086)$

Have a look what the booklet for
Yxy(12.3300, 0.2878, 0.2086)
contains.

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Color

Yxy(12.2739, 0.2869, 0.2075)

Conversions

Conversions Part 1

Format	Color
Hex	7F4F95
RGB	127, 79, 149
RGB Percent	50%, 31%, 58%
CMY	0.5020, 0.6901, 0.4157
CMYK	0.15, 0.47, 0.00, 0.42
HSL	281°, 31%, 45%
HSV	281°, 47%, 58%
XYZ	16.9705, 12.2739, 29.9069
YIQ	101.3320, 6.1380, 31.9460

Conversions

Conversions Part 2

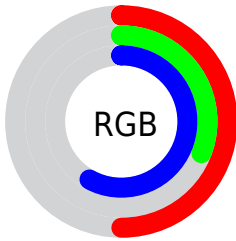
Format	Color
R _Y B	127, 79, 149
Decimal	8343445
CIE Lab	41.65, 33.07, -30.61
CIE LCh	42, 45.062, 317.206
Yxy	12.2739, 0.2869, 0.2075
Android (android.graphics.Color)	4286533525 (0xFF7F4F95)
YUV	101.3320, 23.5003, 22.5108
Hunter-Lab	35.0341, 25.1556, -26.0891

Details

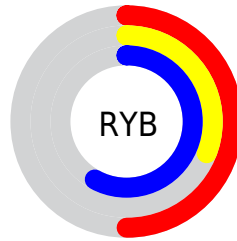
The Yxy color **12.2739, 0.2869, 0.2075** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.8272, 0.3269, 0.4630**, and the grayscale version is **13.0415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8361, 0.2949, 0.2335**, and **3.4514, 0.2706, 0.1638** is the 20% darker color. If you saturate the color by 10%, you get **10.0085, 0.2793, 0.1823**, and if you desaturate by 10%, it is **15.0388, 0.2938, 0.2340**.

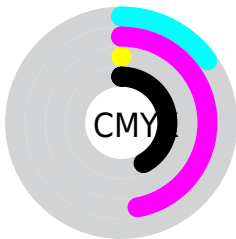
Distribution



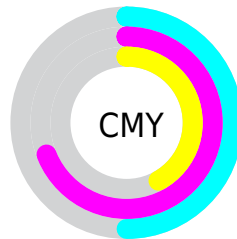
- Red (50%)
- Green (31%)
- Blue (58%)



- Red (50%)
- Yellow (31%)
- Blue (58%)



- Cyan (15%)
- Magenta (47%)
- Yellow (0%)
- Black (42%)



- Cyan (50%)
- Magenta (69%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2739, 0.2869, 0.2075 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 12.2739, 0.2869, 0.2075 by changing the saturation by 10% instead.

■ 12.2739, 0.2869,
0.2075

■ 12.2739, 0.2869,
0.2075

■ 206.2102, 0.3042,
0.2749

■ 6.9305, 0.2805,
0.1886

■ 29.9930, 0.2946,
0.2336

■ 3.4187, 0.2705,
0.1632

■ 43.1375, 0.2970,
0.2429

■ 1.3540, 0.2539,
0.1281

■ 59.6511, 0.2989,
0.2506

■ 0.1825, 0.2317,
0.0428

■ 79.9183, 0.3004,
0.2571

■ 0.0000, 0.0000,
0.0000

■ 104.3234, 0.3016,
0.2626

133.2508, 0.3026,

0.2673

167.0850, 0.3035,
0.2713

■ 12.2739, 0.2869,
0.2075

■ 12.2739, 0.2869,
0.2075

■ 10.0085, 0.2793,
0.1823

■ 15.0388, 0.2938,
0.2340

■ 8.2084, 0.2712,
0.1596

■ 18.3316, 0.3000,
0.2609

■ 6.8372, 0.2628,
0.1403

■ 22.1800, 0.3054,
0.2872

■ 5.8523, 0.2545,
0.1254

■ 26.6097, 0.3100,
0.3123

■ 5.1835, 0.2464,
0.1148

■ 31.6445, 0.3138,
0.3360

■ 5.0016, 0.2440,
0.1118

■ 37.3069, 0.3170,
0.3579

■ 43.6183, 0.3196,
0.3780

■ 50.5990, 0.3216,
0.3962

■ 58.2685, 0.3233,
0.4127

Harmonies

Analogous

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



12.2739, 0.2091, 0.1881



12.2739, 0.2869, 0.2075



12.2739, 0.3873, 0.2500

Triad

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



12.2739, 0.2869, 0.2075



12.2739, 0.4736, 0.4427



12.2739, 0.1719, 0.3200

Complementary

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



12.2739, 0.2869, 0.2075



24.8272, 0.3269, 0.4630

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.



12.2739, 0.2282, 0.4305



12.2739, 0.2869, 0.2075



12.2739, 0.4020, 0.4990

Square

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



12.2739, 0.2869, 0.2075



12.2739, 0.5044, 0.3745



12.2739, 0.3128, 0.5050



12.2739, 0.1519, 0.2371

Rectangle

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



12.2739, 0.2869, 0.2075



12.2739, 0.4493, 0.2878



12.2739, 0.3128, 0.5050



12.2739, 0.1866, 0.3559

Sweetspot

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



12.2744, 0.2869, 0.2075



41.7491, 0.3067, 0.2941



13.1743, 0.2347, 0.2321



8.9220, 0.3057, 0.2890



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



12.2744, 0.2869, 0.2075



17.8641, 0.2792, 0.1819



13.7657, 0.3365, 0.2358



5.8186, 0.3090, 0.3069



4.2260, 0.2445, 0.1121



0.0675, 0.2816, 0.1325

Inverse Universe

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



12.9236, 0.3955, 0.2914



19.3247, 0.4242, 0.2844



23.9268, 0.2961, 0.4456



5.8437, 0.3236, 0.3221



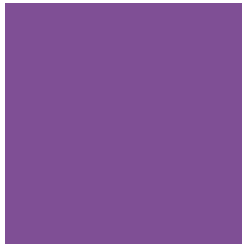
5.5545, 0.5650, 0.2886



0.0729, 0.4587, 0.2301

Previews

White Background



This preview shows how the Yxy color 12.2739, 0.2869, 0.2075 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 12.2739, 0.2869, 0.2075 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 12.2739, 0.2869, 0.2075

Background



This preview shows how black text looks on a background with the Yxy color 12.2739, 0.2869, 0.2075.



This preview shows how white text looks on a background with the Yxy color 12.2739, 0.2869, 0.2075.

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

12.2739, 0.2869, 0.2075

Protanopia

12.3857, 0.2151, 0.1976

Deuteranopia

12.3994, 0.2357, 0.2316



Tritanopia

12.2860, 0.3471, 0.3146

Trichromacy



Original Color

12.2739, 0.2869, 0.2075

Protanomaly

12.0397, 0.2346, 0.1985

Deuteranomaly

12.0443, 0.2519, 0.2206

Tritanomaly

12.2383, 0.3233, 0.2701

Monochromacy



Original Color

12.2739, 0.2869, 0.2075

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.4517, 0.3033, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2739, 0.2869, 0.2075 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(127, 79, 149)` looks like.

```
.text, #text, p{  
    color:rgb(127, 79, 149)  
}
```

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(127, 79, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 79, 149) }
```

Border

The CSS property to change the border of an element to Yxy 12.2739, 0.2869, 0.2075 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(127, 79, 149) }
```

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

```
.border{ border-color:rgb(127, 79, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 79, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 79, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 79, 149);  
box-shadow:4px 4px 4px 4px rgb(127, 79,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2739, 0.2869, 0.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 79, 149) }
```

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

```
.background{ background-color: rgb(127, 79,  
149) }
```

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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