

Converting Colors

$Y_{xy}(12.1468, 0.3008, 0.2318)$

Have a look what the booklet for
Yxy(12.1468, 0.3008, 0.2318)
contains.

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Color

Yxy(12.0689, 0.3008, 0.2312)

Conversions

Conversions Part 1

Format	Color
Hex	7C5287
RGB	124, 82, 135
RGB Percent	49%, 32%, 53%
CMY	0.5138, 0.6784, 0.4705
CMYK	0.08, 0.39, 0.00, 0.47
HSL	288°, 24%, 43%
HSV	288°, 39%, 53%
XYZ	15.7021, 12.0689, 24.4301
YIQ	100.6000, 8.0190, 25.3870

Conversions

Conversions Part 2

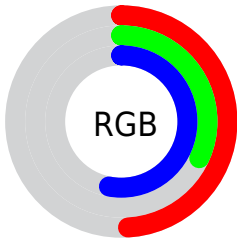
Format	Color
R_{YB}	124, 82, 135
Decimal	8147591
CIE _{Lab}	41.33, 27.26, -22.69
CIE _{LCh}	41, 35.470, 320.224
Yxy	12.0689, 0.3008, 0.2312
Android (android.graphics.Color)	4286337671 (0xFF7C5287)
YUV	100.6000, 16.9592, 20.5218
Hunter-Lab	34.7403, 19.8837, -17.3758

Details

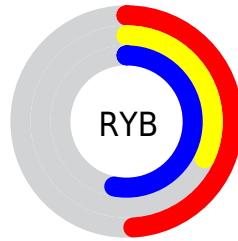
The Yxy color **12.0689, 0.3008, 0.2312** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.2714, 0.3190, 0.4397**, and the grayscale version is **12.8599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4805, 0.3048, 0.2534**, and **3.3138, 0.2920, 0.1910** is the 20% darker color. If you saturate the color by 10%, you get **10.0231, 0.2965, 0.2066**, and if you desaturate by 10%, it is **14.5224, 0.3046, 0.2567**.

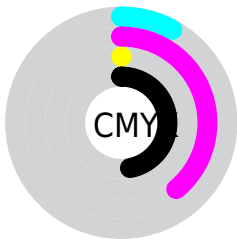
Distribution



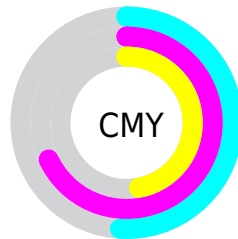
- Red (49%)
- Green (32%)
- Blue (53%)



- Red (49%)
- Yellow (32%)
- Blue (53%)



- Cyan (8%)
- Magenta (39%)
- Yellow (0%)
- Black (47%)





- Cyan (51%)
- Magenta (68%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0689, 0.3008, 0.2312 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 12.0689, 0.3008, 0.2312 by changing the saturation by 10% instead.


 12.0689, 0.3008,
0.2312


 12.0689, 0.3008,
0.2312


204.8609, 0.3093,
0.2869


 6.7906, 0.2973,
0.2147


 29.6205, 0.3048,
0.2533


 3.3315, 0.2915,
0.1918

 42.6627, 0.3060,
0.2610

 1.3072, 0.2810,
0.1583

 59.0616, 0.3069,
0.2673

 0.1467, 0.2749,
0.0501

 79.2016, 0.3076,
0.2725

 0.0000, 0.0000,
0.0000

 103.4671, 0.3082,
0.2770

132.2426, 0.3086,

0.2808

165.9124, 0.3090,
0.2840

■ 12.0689, 0.3008,
0.2312

■ 12.0689, 0.3008,
0.2312

■ 10.0231, 0.2965,
0.2066

■ 14.5224, 0.3046,
0.2567

■ 8.3598, 0.2917,
0.1839

■ 17.4039, 0.3079,
0.2822

■ 7.0533, 0.2866,
0.1639

■ 20.7339, 0.3106,
0.3070

■ 6.0743, 0.2812,
0.1477

■ 24.5315, 0.3129,
0.3307

■ 5.3885, 0.2758,
0.1356

■ 28.8143, 0.3147,
0.3529

■ 4.9052, 0.2704,
0.1268

■ 33.5993, 0.3161,
0.3735

■ 4.8708, 0.2700,
0.1261

■ 38.9025, 0.3172,
0.3925

■ 44.7392, 0.3180,
0.4097

■ 51.1242, 0.3186,
0.4253

Harmonies

Analogous

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



12.0689, 0.2339, 0.2128



12.0689, 0.3008, 0.2312



12.0689, 0.3806, 0.2693

Triad

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



12.0689, 0.3008, 0.2312



12.0689, 0.4412, 0.4318



12.0689, 0.1947, 0.3162

Complementary

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



12.0689, 0.3008, 0.2312



20.2714, 0.3190, 0.4397

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.



12.0689, 0.2403, 0.3995



12.0689, 0.3008, 0.2312



12.0689, 0.3824, 0.4687

Square

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



12.0689, 0.3008, 0.2312



12.0689, 0.4667, 0.3773



12.0689, 0.3088, 0.4614



12.0689, 0.1792, 0.2517

Rectangle

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



12.0689, 0.3008, 0.2312



12.0689, 0.4273, 0.3024



12.0689, 0.3088, 0.4614



12.0689, 0.2067, 0.3434

Sweetspot

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



12.0694, 0.3008, 0.2312



35.2413, 0.3098, 0.2996



11.4593, 0.2472, 0.2398



8.0084, 0.3096, 0.2970



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.



12.0694, 0.3008, 0.2312



18.3504, 0.2970, 0.2095



12.5439, 0.3398, 0.2599



4.7152, 0.3107, 0.3074



4.4959, 0.2702, 0.1262



0.0186, 0.2959, 0.1404

Inverse Universe

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



11.9789, 0.3858, 0.3083



18.2334, 0.4111, 0.3039



19.9907, 0.2936, 0.4103



4.7034, 0.3249, 0.3245



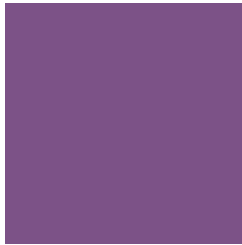
4.8292, 0.5988, 0.3072



0.0176, 0.5029, 0.2544

Previews

White Background



This preview shows how the Yxy color 12.0689, 0.3008, 0.2312 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 12.0689, 0.3008, 0.2312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

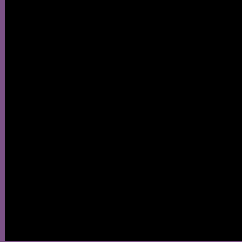
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0689, 0.3008, 0.2312

Background



This preview shows how black text looks on a background with the Yxy color 12.0689, 0.3008, 0.2312.



This preview shows how white text looks on a background with the Yxy color 12.0689, 0.3008, 0.2312.

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

12.0689, 0.3008, 0.2312

Protanopia

12.1904, 0.2371, 0.2265

Deuteranopia

12.1064, 0.2578, 0.2523



Tritanopia

12.0973, 0.3490, 0.3146

Trichromacy



Original Color

12.0689, 0.3008, 0.2312

Protanomaly

11.9766, 0.2571, 0.2272

Deuteranomaly

11.9423, 0.2719, 0.2433

Tritanomaly

12.0290, 0.3309, 0.2810

Monochromacy



Original Color

12.0689, 0.3008, 0.2312

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.4489, 0.3086, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0689, 0.3008, 0.2312 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(124, 82, 135)` looks like.

```
.text, #text, p{  
    color:rgb(124, 82, 135)  
}
```

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(124, 82, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 82, 135) }
```

Border

The CSS property to change the border of an element to Yxy 12.0689, 0.3008, 0.2312 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(124, 82, 135) }
```

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

```
.border{ border-color:rgb(124, 82, 135) }
```

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

Here you see how a box with a 4 pixel rgb(124, 82, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 82, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 82, 135);  
box-shadow:4px 4px 4px 4px rgb(124, 82,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0689, 0.3008, 0.2312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 82, 135) }
```

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

```
.background{ background-color: rgb(124, 82,  
135) }
```

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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