

Converting Colors

$Y_{xy}(12.0043, 0.4318, 0.2721)$

Have a look what the booklet for
Yxy(12.0043, 0.4318, 0.2721)
contains.

Yxy(12.0249, 0.4307, 0.2722)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.0249, 0.4307, 0.2722)

Conversions

Conversions Part 1

Format	Color
Hex	A33D63
RGB	163, 61, 99
RGB Percent	64%, 24%, 39%
CMY	0.3607, 0.7608, 0.6117
CMYK	0.00, 0.63, 0.39, 0.36
HSL	338°, 46%, 44%
HSV	338°, 63%, 64%
XYZ	19.0269, 12.0249, 13.1249
YIQ	95.8300, 48.5940, 33.4420

Conversions

Conversions Part 2

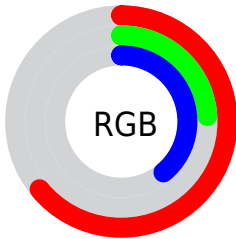
Format	Color
R_{YB}	163, 61, 99
Decimal	10698083
CIE _{Lab}	41.26, 45.70, -0.08
CIE _{LCh}	41, 45.700, 359.900
Yxy	12.0249, 0.4307, 0.2722
Android (android.graphics.Color)	4288888163 (0xFFA33D63)
YUV	95.8300, 1.5628, 58.9081
Hunter-Lab	34.6769, 37.2566, 1.8331

Details

The Yxy color **12.0249, 0.4307, 0.2722** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **28.6702, 0.2625, 0.4019**, and the grayscale version is **11.6413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6088, 0.4000, 0.2865**, and **3.3828, 0.4875, 0.2459** is the 20% darker color. If you saturate the color by 10%, you get **10.3587, 0.4613, 0.2680**, and if you desaturate by 10%, it is **14.2460, 0.4030, 0.2793**.

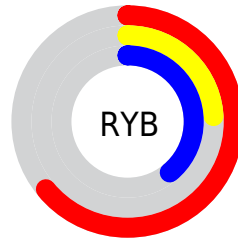
Distribution



Red (64%)

Green (24%)

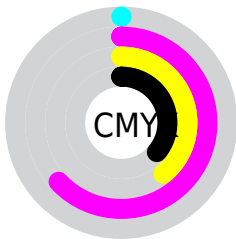
Blue (39%)



Red (64%)

Yellow (24%)

Blue (39%)

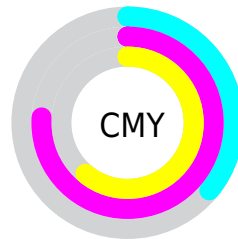


Cyan (0%)

Magenta (63%)

Yellow (39%)

Black (36%)



Cyan (36%)


Magenta (76%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0249, 0.4307, 0.2722 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 12.0249, 0.4307, 0.2722 by changing the saturation by 10% instead.


 12.0249, 0.4307,
0.2722


 12.0249, 0.4307,
0.2722


204.5701, 0.3591,
0.3067

 6.7606, 0.4547,
0.2607


 29.5404, 0.4007,
0.2866

 3.3129, 0.4905,
0.2434

 42.5605, 0.3907,
0.2914

 1.2972, 0.5488,
0.2154

 58.9347, 0.3828,
0.2953

 0.1390, 0.8165,
0.0862

 79.0473, 0.3763,
0.2984

 0.0000, 1.0000,
0.0000

 103.2827, 0.3709,
0.3010

 0.0000, 0.0000,
0.0000

132.0254, 0.3664,

0.3032

165.6597, 0.3625,
0.3051

■ 12.0249, 0.4307,
0.2722

■ 12.0249, 0.4307,
0.2722

■ 10.3587, 0.4613,
0.2680

■ 14.2460, 0.4030,
0.2793

■ 9.1949, 0.4932,
0.2679

■ 17.0645, 0.3789,
0.2882

■ 8.4741, 0.5245,
0.2728

■ 20.5208, 0.3583,
0.2980

■ 8.1217, 0.5465,
0.2784

■ 24.6512, 0.3412,
0.3079

■ 29.4892, 0.3270,
0.3175

■ 35.0664, 0.3154,
0.3267

■ 41.4120, 0.3058,
0.3353

■ 48.5539, 0.2979,
0.3432

■ 56.5186, 0.2914,
0.3505

Harmonies

Analogous

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



12.0249, 0.3283, 0.2212



12.0249, 0.4307, 0.2722



12.0249, 0.4983, 0.3354

Triad

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



12.0249, 0.4307, 0.2722



12.0249, 0.3656, 0.5143



12.0249, 0.1509, 0.2127

Complementary

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



12.0249, 0.4307, 0.2722



28.6702, 0.2625, 0.4019

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.



12.0249, 0.1565, 0.2784



12.0249, 0.4307, 0.2722



12.0249, 0.2738, 0.4864

Square

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



12.0249, 0.4307, 0.2722



12.0249, 0.4488, 0.4717



12.0249, 0.1977, 0.3846



12.0249, 0.1772, 0.1866

Rectangle

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



12.0249, 0.4307, 0.2722



12.0249, 0.5075, 0.3808



12.0249, 0.1977, 0.3846



12.0249, 0.1492, 0.2297

Sweetspot

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



12.0255, 0.4307, 0.2722



46.7992, 0.3363, 0.3110



10.2596, 0.2648, 0.1639



10.0038, 0.3404, 0.3084



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.0255, 0.4307, 0.2722



17.6546, 0.4734, 0.2674



12.8759, 0.4935, 0.3467



7.1276, 0.3229, 0.3207



6.3195, 0.5441, 0.2771



0.1417, 0.4506, 0.2256

Inverse Universe

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



12.0255, 0.4307, 0.2722



17.6546, 0.4734, 0.2674



25.8045, 0.2335, 0.3071



7.1276, 0.3229, 0.3207



6.3195, 0.5441, 0.2771



0.1417, 0.4506, 0.2256

Previews

White Background



This preview shows how the Yxy color 12.0249, 0.4307, 0.2722 looks on a white background.

Color Contrast Check

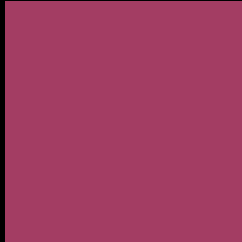
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0249, 0.4307, 0.2722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

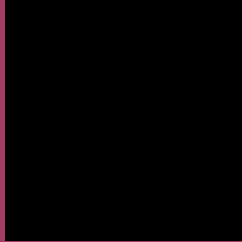
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.0249, 0.4307, 0.2722

Background



This preview shows how black text looks on a background with the Yxy color 12.0249, 0.4307, 0.2722.



This preview shows how white text looks on a background with the Yxy color 12.0249, 0.4307, 0.2722.

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

12.0249, 0.4307, 0.2722

Protanopia

12.2052, 0.2750, 0.2764

Deuteranopia

12.2438, 0.3360, 0.3313



Tritanopia

12.0463, 0.4792, 0.3235

Trichromacy



Original Color

12.0249, 0.4307, 0.2722

Protanomaly

11.3845, 0.3235, 0.2704

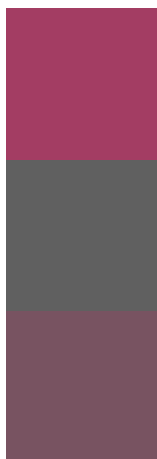
Deuteranomaly

11.6982, 0.3701, 0.3036

Tritanomaly

12.0561, 0.4629, 0.3054

Monochromacy



Original Color

12.0249, 0.4307, 0.2722

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.0427, 0.3532, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0249, 0.4307, 0.2722 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(163, 61, 99)` looks like.

```
.text, #text, p{  
    color:rgb(163, 61, 99)  
}
```

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(163, 61, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 61, 99) }
```

Border

The CSS property to change the border of an element to Yxy 12.0249, 0.4307, 0.2722 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(163, 61, 99) }
```

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

```
.border{ border-color:rgb(163, 61, 99) }
```

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

Here you see how a box with a 4 pixel rgb(163, 61, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 61, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 61, 99);  
box-shadow:4px 4px 4px 4px rgb(163, 61,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0249, 0.4307, 0.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 61, 99) }
```

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

```
.background{ background-color: rgb(163, 61,  
99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor