

Converting Colors

$Y_{xy}(12.4559, 0.3914, 0.2425)$

Have a look what the booklet for
Yxy(12.4559, 0.3914, 0.2425)
contains.

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Color

Yxy(12.4559, 0.3914, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	A33D77
RGB	163, 61, 119
RGB Percent	64%, 24%, 47%
CMY	0.3608, 0.7608, 0.5332
CMYK	0.00, 0.63, 0.27, 0.36
HSL	326°, 46%, 44%
HSV	326°, 63%, 64%
XYZ	20.1041, 12.4559, 18.8046
YIQ	98.1100, 42.1740, 39.6620

Conversions

Conversions Part 2

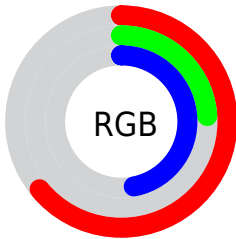
Format	Color
R_{YB}	163, 61, 119
Decimal	10698103
CIE _{Lab}	41.93, 48.20, -11.50
CIE _{LCh}	42, 49.556, 346.587
Yxy	12.4559, 0.3914, 0.2425
Android (android.graphics.Color)	4288888183 (0xFFA33D77)
YUV	98.1100, 10.2988, 56.9085
Hunter-Lab	35.2929, 39.9172, -6.8855

Details

The Yxy color **12.4559, 0.3914, 0.2425** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **28.2065, 0.2760, 0.4431**, and the grayscale version is **12.2093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3471, 0.3734, 0.2624**, and **3.6431, 0.4246, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **10.8103, 0.4105, 0.2341**, and if you desaturate by 10%, it is **14.6441, 0.3739, 0.2541**.

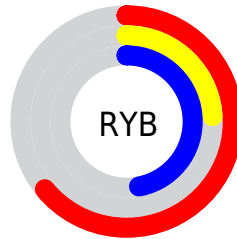
Distribution



Red (64%)

Green (24%)

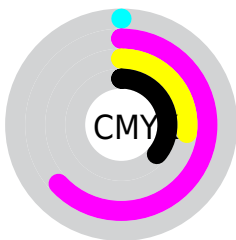
Blue (47%)



Red (64%)

Yellow (24%)

Blue (47%)

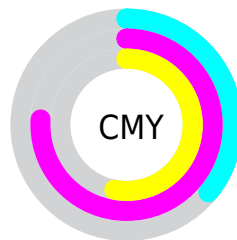


Cyan (0%)

Magenta (63%)

Yellow (27%)

Black (36%)



Cyan (36%)


Magenta (76%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4559, 0.3914, 0.2425 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 12.4559, 0.3914, 0.2425 by changing the saturation by 10% instead.


 12.4559, 0.3914,
0.2425


 12.4559, 0.3914,
0.2425


207.4005, 0.3453,
0.2919


 7.0550, 0.4059,
0.2277


 30.3228, 0.3726,
0.2622


 3.4965, 0.4269,
0.2069

 43.5575, 0.3662,
0.2690

 1.3961, 0.4596,
0.1761

 60.1722, 0.3610,
0.2746

 0.2139, 0.5455,
0.0776

 80.5514, 0.3568,
0.2793

 0.0000, 1.0000,
0.0000

 105.0795, 0.3532,
0.2832

 0.0000, 0.0000,
0.0000

134.1407, 0.3502,

0.2865

168.1196, 0.3475,
0.2894

■ 12.4559, 0.3914,
0.2425

■ 12.4559, 0.3914,
0.2425

■ 10.8103, 0.4105,
0.2341

■ 14.6441, 0.3739,
0.2541

■ 9.6555, 0.4304,
0.2299

■ 17.4166, 0.3582,
0.2676

■ 8.9327, 0.4504,
0.2307

■ 20.8134, 0.3445,
0.2822

■ 8.5721, 0.4652,
0.2337

■ 24.8703, 0.3328,
0.2970

■ 29.6202, 0.3229,
0.3116

■ 35.0941, 0.3146,
0.3255

■ 41.3209, 0.3077,
0.3387

■ 48.3279, 0.3019,
0.3509

■ 56.1412, 0.2971,
0.3622

Harmonies

Analogous

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



12.4559, 0.2820, 0.1981



12.4559, 0.3914, 0.2425



12.4559, 0.4869, 0.3038

Triad

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



12.4559, 0.3914, 0.2425



12.4559, 0.4081, 0.5115



12.4559, 0.1406, 0.2297

Complementary

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



12.4559, 0.3914, 0.2425



28.2065, 0.2760, 0.4431

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.



12.4559, 0.1615, 0.3200



12.4559, 0.3914, 0.2425



12.4559, 0.3124, 0.5243

Square

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



12.4559, 0.3914, 0.2425



12.4559, 0.4859, 0.4467



12.4559, 0.2216, 0.4437



12.4559, 0.1536, 0.1861

Rectangle

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



12.4559, 0.3914, 0.2425



12.4559, 0.5176, 0.3495



12.4559, 0.2216, 0.4437



12.4559, 0.1436, 0.2542

Sweetspot

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



12.4565, 0.3914, 0.2425



47.1452, 0.3295, 0.3018



8.8950, 0.2383, 0.1522



10.0907, 0.3323, 0.2978



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.



12.4565, 0.3914, 0.2425



18.4729, 0.4180, 0.2319



11.5600, 0.4904, 0.3174



7.1503, 0.3200, 0.3163



6.6712, 0.4635, 0.2327



0.1494, 0.3998, 0.1976

Inverse Universe

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



12.4565, 0.3914, 0.2425



18.4729, 0.4180, 0.2319



29.5369, 0.2435, 0.3442



7.1503, 0.3200, 0.3163



6.6712, 0.4635, 0.2327



0.1494, 0.3998, 0.1976

Previews

White Background



This preview shows how the Yxy color 12.4559, 0.3914, 0.2425 looks on a white background.

Color Contrast Check

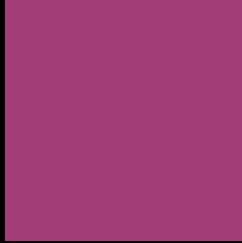
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4559, 0.3914, 0.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

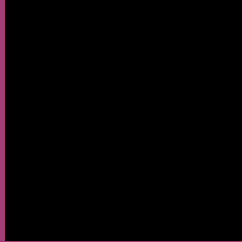
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4559, 0.3914, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 12.4559, 0.3914, 0.2425.



This preview shows how white text looks on a background with the Yxy color 12.4559, 0.3914, 0.2425.

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

12.4559, 0.3914, 0.2425

Protanopia

12.6955, 0.2409, 0.2314

Deuteranopia

12.6479, 0.2985, 0.2925



Tritanopia

12.3992, 0.4632, 0.3217

Trichromacy



Original Color

12.4559, 0.3914, 0.2425

Protanomaly

11.7853, 0.2839, 0.2307

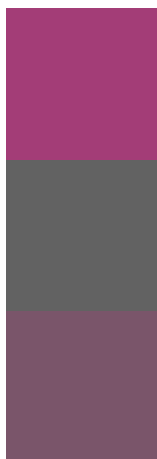
Deuteranomaly

11.9616, 0.3300, 0.2670

Tritanomaly

12.2606, 0.4367, 0.2904

Monochromacy



Original Color

12.4559, 0.3914, 0.2425

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.6752, 0.3409, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4559, 0.3914, 0.2425 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(163, 61, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 61, 119) }
```

Border

The CSS property to change the border of an element to Yxy 12.4559, 0.3914, 0.2425 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, 119) }
```

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

```
.border{ border-color:rgb(163, 61, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 61, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 61, 119);  
box-shadow:4px 4px 4px 4px rgb(163, 61,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4559, 0.3914, 0.2425 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, 119) }
```

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

```
.background{ background-color: rgb(163, 61,  
119) }
```

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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