

Converting Colors

$Yxy(12.3345, 0.3606, 0.1922)$

Have a look what the booklet for
Yxy(12.3345, 0.3606, 0.1922)
contains.

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Color

Yxy(12.3770, 0.3605, 0.1924)

Conversions

Conversions Part 1

Format	Color
Hex	AD2693
RGB	173, 38, 147
RGB Percent	68%, 15%, 58%
CMY	0.3216, 0.8509, 0.4236
CMYK	0.00, 0.78, 0.15, 0.32
HSL	312°, 64%, 41%
HSV	312°, 78%, 68%
XYZ	23.1908, 12.3770, 28.7617
YIQ	90.7910, 45.4710, 62.5190

Conversions

Conversions Part 2

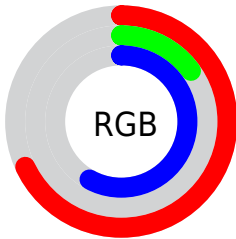
Format	Color
R_{YB}	173, 38, 147
Decimal	11347603
CIE _{Lab}	41.81, 63.26, -28.66
CIE _{LCh}	42, 69.447, 335.631
Yxy	12.3770, 0.3605, 0.1924
Android (android.graphics.Color)	4289537683 (0xFFAD2693)
YUV	90.7910, 27.7110, 72.0973
Hunter-Lab	35.1810, 56.0980, -23.8451

Details

The Yxy color **12.3770, 0.3605, 0.1924** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.6683, 0.2912, 0.5358**, and the grayscale version is **10.3433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2965, 0.3521, 0.2209**, and **4.5575, 0.3677, 0.1800** is the 20% darker color. If you saturate the color by 10%, you get **11.4128, 0.3678, 0.1866**, and if you desaturate by 10%, it is **13.8594, 0.3530, 0.2026**.

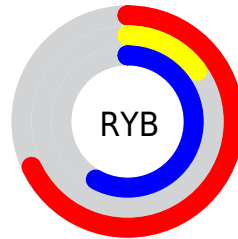
Distribution



Red (68%)

Green (15%)

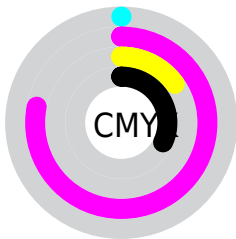
Blue (58%)



Red (68%)

Yellow (15%)

Blue (58%)

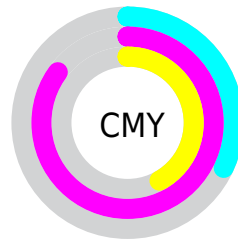


Cyan (0%)

Magenta (78%)

Yellow (15%)

Black (32%)



Cyan (32%)


Magenta (85%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3770, 0.3605, 0.1924 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 12.3770, 0.3605, 0.1924 by changing the saturation by 10% instead.


 12.3770, 0.3605,
0.1924

 12.3770, 0.3605,
0.1924


206.8854, 0.3357,
0.2658


 7.0010, 0.3667,
0.1728


 30.1799, 0.3514,
0.2202


 3.4627, 0.3744,
0.1473


 43.3756, 0.3480,
0.2303


 1.3778, 0.3839,
0.1133

 59.9466, 0.3451,
0.2387

 0.2003, 0.4066,
0.0390

 80.2773, 0.3427,
0.2458

 0.0000, 0.4016,
0.0000

 104.7521, 0.3405,
0.2519

 0.0000, 0.0000,
0.0000

 133.7555, 0.3387,

0.2572

167.6718, 0.3371,
0.2618

■ 12.3770, 0.3605,
0.1924

■ 12.3770, 0.3605,
0.1924

■ 11.4128, 0.3678,
0.1866

■ 13.8594, 0.3530,
0.2026

■ 10.8607, 0.3749,
0.1849

■ 15.9213, 0.3456,
0.2167

■ 10.7667, 0.3763,
0.1847

■ 18.6174, 0.3386,
0.2337

■ 21.9955, 0.3320,
0.2528

■ 26.0989, 0.3260,
0.2729

■ 30.9673, 0.3207,
0.2933

■ 36.6374, 0.3160,
0.3134

■ 43.1436, 0.3120,
0.3328

■ 50.5184, 0.3085,
0.3510

Harmonies

Analogous

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



12.3770, 0.2236, 0.1498



12.3770, 0.3605, 0.1924



12.3770, 0.5130, 0.2590

Triad

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



12.3770, 0.3605, 0.1924



12.3770, 0.4624, 0.5287



12.3770, 0.0985, 0.2239

Complementary

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



12.3770, 0.3605, 0.1924



30.6683, 0.2912, 0.5358

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.



12.3770, 0.1335, 0.3722



12.3770, 0.3605, 0.1924



12.3770, 0.3391, 0.6070

Square

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



12.3770, 0.3605, 0.1924



12.3770, 0.5565, 0.4224



12.3770, 0.2207, 0.5591



12.3770, 0.1027, 0.1559

Rectangle

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



12.3770, 0.3605, 0.1924



12.3770, 0.5759, 0.3093



12.3770, 0.2207, 0.5591



12.3770, 0.1050, 0.2632

Sweetspot

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



12.3776, 0.3605, 0.1924



50.5953, 0.3235, 0.2824



5.4543, 0.1842, 0.0978



10.3543, 0.3254, 0.2752



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



12.3776, 0.3605, 0.1924



19.6610, 0.3732, 0.1851



10.8623, 0.4965, 0.2780



8.1212, 0.3166, 0.3109



7.9183, 0.3756, 0.1843



0.2270, 0.3563, 0.1737

Inverse Universe

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



12.3776, 0.3605, 0.1924



19.6610, 0.3732, 0.1851



31.9162, 0.2536, 0.4090



8.1212, 0.3166, 0.3109



7.9183, 0.3756, 0.1843



0.2270, 0.3563, 0.1737

Previews

White Background



This preview shows how the Yxy color 12.3770, 0.3605, 0.1924 looks on a white background.

Color Contrast Check

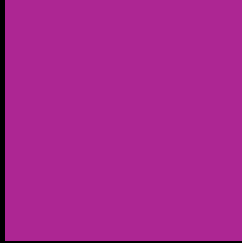
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3770, 0.3605, 0.1924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

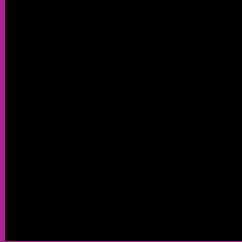
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3770, 0.3605, 0.1924

Background



This preview shows how black text looks on a background with the Yxy color 12.3770, 0.3605, 0.1924.



This preview shows how white text looks on a background with the Yxy color 12.3770, 0.3605, 0.1924.

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

12.3770, 0.3605, 0.1924

Protanopia

12.7633, 0.1831, 0.1564

Deuteranopia

12.7662, 0.2495, 0.2458



Tritanopia

12.4456, 0.4886, 0.3238

Trichromacy



Original Color

12.3770, 0.3605, 0.1924



Protanomaly

10.2727, 0.2127, 0.1509



Deuteranomaly

11.1123, 0.2828, 0.2094



Tritanomaly

12.1452, 0.4443, 0.2701

Monochromacy



Original Color

12.3770, 0.3605, 0.1924



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

9.8474, 0.3337, 0.2514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3770, 0.3605, 0.1924 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(173, 38, 147)` looks like.

```
.text, #text, p{  
  color:rgb(173, 38, 147)  
}
```

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(173, 38, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 38, 147) }
```

Border

The CSS property to change the border of an element to Yxy 12.3770, 0.3605, 0.1924 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(173, 38, 147) }
```

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

```
.border{ border-color:rgb(173, 38, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 38, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 38, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 38, 147);  
box-shadow:4px 4px 4px 4px rgb(173, 38,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3770, 0.3605, 0.1924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 38, 147) }
```

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

```
.background{ background-color: rgb(173, 38,  
147) }
```

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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