

Converting Colors

$Y_{xy}(12.3669, 0.3721, 0.1823)$

Have a look what the booklet for
Yxy(12.3669, 0.3721, 0.1823)
contains.

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Color

Yxy(12.4247, 0.3722, 0.1824)

Conversions

Conversions Part 1

Format	Color
Hex	B80097
RGB	184, 0, 151
RGB Percent	72%, 0%, 59%
CMY	0.2784, 1.0000, 0.4078
CMYK	0.00, 1.00, 0.18, 0.28
HSL	311°, 100%, 36%
HSV	311°, 100%, 72%
XYZ	25.3535, 12.4247, 30.3397
YIQ	72.2300, 61.1930, 85.9690

Conversions

Conversions Part 2

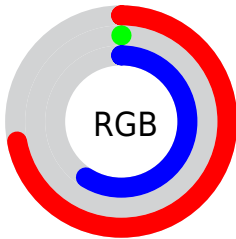
Format	Color
RYB	184, 0, 151
Decimal	12058775
CIELab	41.88, 72.36, -30.83
CIELCh	42, 78.660, 336.923
Yxy	12.4247, 0.3722, 0.1824
Android (android.graphics.Color)	4290248855 (0xFFB80097)
YUV	72.2300, 38.8336, 98.0223
Hunter-Lab	35.2487, 66.7052, -26.3588

Details

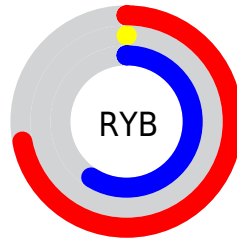
The Yxy color **12.4247, 0.3722, 0.1824** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **34.3923, 0.2953, 0.5832**, and the grayscale version is **6.4475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3449, 0.3605, 0.2113**, and **5.3557, 0.3789, 0.1861** is the 20% darker color. If you saturate the color by 10%, you get **12.4250, 0.3722, 0.1824**, and if you desaturate by 10%, it is **12.9799, 0.3657, 0.1837**.

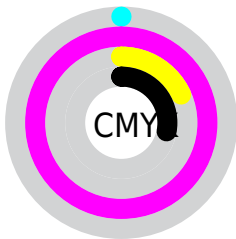
Distribution



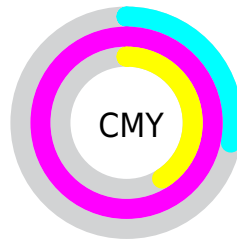
- Red (72%)
- Green (0%)
- Blue (59%)



- Red (72%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (28%)



- Cyan (28%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4247, 0.3722, 0.1824 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 12.4247, 0.3722, 0.1824 by changing the saturation by 10% instead.


 12.4247, 0.3722,
0.1824


 12.4247, 0.3722,
0.1824


207.1970, 0.3412,
0.2600


 7.0336, 0.3800,
0.1623


 30.2663, 0.3608,
0.2114


 3.4831, 0.3897,
0.1364


 43.4856, 0.3566,
0.2220


 1.3889, 0.4020,
0.1028

 60.0830, 0.3530,
0.2310

 0.2085, 0.4274,
0.0351

 80.4431, 0.3499,
0.2386

 0.0000, 0.4339,
0.0000

 104.9501, 0.3473,
0.2451

 0.0000, 0.0000,
0.0000

 133.9885, 0.3450,

0.2507

167.9427, 0.3430,
0.2557

■ 12.4247, 0.3722,
0.1824

■ 12.4247, 0.3722,
0.1824

■ 12.4250, 0.3722,
0.1824

■ 12.9799, 0.3657,
0.1837

■ 13.9571, 0.3590,
0.1887

■ 15.5131, 0.3521,
0.1981

■ 17.7245, 0.3452,
0.2116

■ 20.6561, 0.3385,
0.2284

■ 24.3649, 0.3322,
0.2474

■ 28.9024, 0.3264,
0.2677

■ 34.3155, 0.3213,
0.2885

■ 40.6475, 0.3167,
0.3091

Harmonies

Analogous

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



12.4247, 0.2186, 0.1367



12.4247, 0.3722, 0.1824



12.4247, 0.5435, 0.2526

Triad

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



12.4247, 0.3722, 0.1824



12.4247, 0.4583, 0.5417



12.4247, 0.0815, 0.2049

Complementary

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



12.4247, 0.3722, 0.1824



34.3923, 0.2953, 0.5832

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.



12.4247, 0.1126, 0.3653



12.4247, 0.3722, 0.1824



12.4247, 0.3248, 0.6415

Square

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



12.4247, 0.3722, 0.1824



12.4247, 0.5741, 0.4259



12.4247, 0.2001, 0.5884



12.4247, 0.0885, 0.1383

Rectangle

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



12.4247, 0.3722, 0.1824



12.4247, 0.6078, 0.3041



12.4247, 0.2001, 0.5884



12.4247, 0.0867, 0.2455

Sweetspot

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



12.4253, 0.3722, 0.1824



51.9357, 0.3267, 0.2667



3.7474, 0.1573, 0.0640



10.4211, 0.3291, 0.2581



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



12.4253, 0.3722, 0.1824



22.4904, 0.3732, 0.1829



10.5316, 0.5640, 0.2881



9.1343, 0.3164, 0.3104



8.5724, 0.3715, 0.1820



0.3095, 0.3563, 0.1736

Inverse Universe

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



12.4253, 0.3722, 0.1824



22.4904, 0.3732, 0.1829



35.7042, 0.2560, 0.4417



9.1343, 0.3164, 0.3104



8.5724, 0.3715, 0.1820



0.3095, 0.3563, 0.1736

Previews

White Background



This preview shows how the Yxy color 12.4247, 0.3722, 0.1824 looks on a white background.

Color Contrast Check

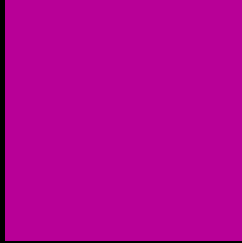
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4247, 0.3722, 0.1824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

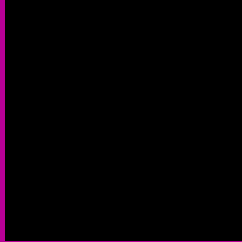
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4247, 0.3722, 0.1824

Background



This preview shows how black text looks on a background with the Yxy color 12.4247, 0.3722, 0.1824.



This preview shows how white text looks on a background with the Yxy color 12.4247, 0.3722, 0.1824.

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

12.4247, 0.3722, 0.1824

Protanopia

13.2894, 0.1742, 0.1469

Deuteranopia

13.0936, 0.2482, 0.2430



Tritanopia

12.8339, 0.5211, 0.3247

Trichromacy



Original Color

12.4247, 0.3722, 0.1824



Protanomaly

8.2264, 0.1881, 0.1190



Deuteranomaly

9.8487, 0.2840, 0.1868



Tritanomaly

11.9157, 0.4745, 0.2620

Monochromacy



Original Color

12.4247, 0.3722, 0.1824



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.4043, 0.3430, 0.2167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4247, 0.3722, 0.1824 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(184, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 151)  
}
```

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(184, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 151) }
```

Border

The CSS property to change the border of an element to Yxy 12.4247, 0.3722, 0.1824 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(184, 0, 151) }
```

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

```
.border{ border-color:rgb(184, 0, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4247, 0.3722, 0.1824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 151) }
```

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

```
.background{ background-color: rgb(184, 0,  
151) }
```

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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