

Converting Colors

$Y_{xy}(11.7320, 0.4435, 0.2217)$

Have a look what the booklet for
Yxy(11.7320, 0.4435, 0.2217)
contains.

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Color

Yxy(11.7235, 0.4423, 0.2210)

Conversions

Conversions Part 1

Format	Color
Hex	BA0075
RGB	186, 0, 117
RGB Percent	73%, 0%, 46%
CMY	0.2706, 1.0000, 0.5411
CMYK	0.00, 1.00, 0.37, 0.27
HSL	322°, 100%, 36%
HSV	322°, 100%, 73%
XYZ	23.4629, 11.7235, 17.8611
YIQ	68.9520, 73.2990, 75.8190

Conversions

Conversions Part 2

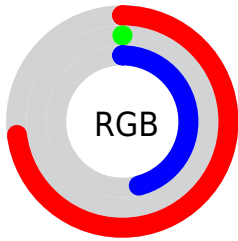
Format	Color
RYB	186, 0, 117
Decimal	12189813
CIELab	40.77, 68.94, -11.60
CIELCh	41, 69.911, 350.451
Yxy	11.7235, 0.4423, 0.2210
Android (android.graphics.Color)	4290379893 (0xFFBA0075)
YUV	68.9520, 23.6877, 102.6511
Hunter-Lab	34.2396, 62.3990, -6.9609

Details

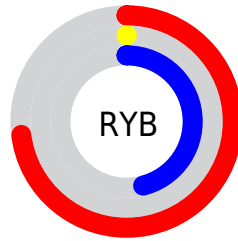
The Yxy color **11.7235, 0.4423, 0.2210** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **35.5509, 0.2837, 0.5412**, and the grayscale version is **5.8953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9794, 0.4118, 0.2451**, and **4.9417, 0.4717, 0.2372** is the 20% darker color. If you saturate the color by 10%, you get **11.7249, 0.4423, 0.2210**, and if you desaturate by 10%, it is **12.3456, 0.4259, 0.2181**.

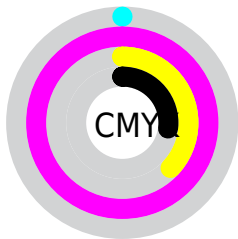
Distribution



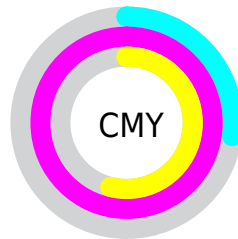
- Red (73%)
- Green (0%)
- Blue (46%)



- Red (73%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (27%)




- Cyan (27%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7235, 0.4423, 0.2210 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 11.7235, 0.4423, 0.2210 by changing the saturation by 10% instead.


 11.7235, 0.4423,
0.2210


 11.7235, 0.4423,
0.2210


202.5661, 0.3660,
0.2823


 6.5557, 0.4663,
0.2030


 28.9905, 0.4112,
0.2452

 3.1858, 0.5005,
0.1782

 41.8585, 0.4006,
0.2537


 1.2295, 0.5529,
0.1427

 58.0620, 0.3921,
0.2607

 0.0856, 0.6840,
0.0273

 77.9854, 0.3850,
0.2665

 0.0000, 1.0000,
0.0000

 102.0131, 0.3791,
0.2714

 0.0000, 0.0000,
0.0000

 130.5296, 0.3741,

0.2756

163.9191, 0.3698,
0.2792

■ 11.7235, 0.4423,
0.2210

■ 11.7235, 0.4423,
0.2210

■ 11.7249, 0.4423,
0.2210

■ 12.3456, 0.4259,
0.2181

■ 13.4096, 0.4093,
0.2195

■ 15.0761, 0.3928,
0.2258

■ 17.4242, 0.3770,
0.2362

■ 20.5207, 0.3624,
0.2496

■ 24.4243, 0.3494,
0.2650

■ 29.1882, 0.3380,
0.2812

■ 34.8606, 0.3281,
0.2976

■ 41.4862, 0.3198,
0.3137

Harmonies

Analogous

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



11.7235, 0.2841, 0.1645



11.7235, 0.4423, 0.2210



11.7235, 0.5701, 0.2944

Triad

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



11.7235, 0.4423, 0.2210



11.7235, 0.4026, 0.5808



11.7235, 0.0933, 0.1792

Complementary

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



11.7235, 0.4423, 0.2210



35.5509, 0.2837, 0.5412

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.



11.7235, 0.1067, 0.2859



11.7235, 0.4423, 0.2210



11.7235, 0.2769, 0.6146

Square

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



11.7235, 0.4423, 0.2210



11.7235, 0.5200, 0.4761



11.7235, 0.1679, 0.4766



11.7235, 0.1139, 0.1387

Rectangle

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



11.7235, 0.4423, 0.2210



11.7235, 0.5948, 0.3468



11.7235, 0.1679, 0.4766



11.7235, 0.0936, 0.2054

Sweetspot

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



11.7249, 0.4423, 0.2210



52.4333, 0.3385, 0.2804



4.7818, 0.1792, 0.0761



10.7053, 0.3432, 0.2734



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



11.7249, 0.4423, 0.2210



21.2016, 0.4448, 0.2224



10.5095, 0.6228, 0.3205



9.1047, 0.3193, 0.3147



7.9022, 0.4403, 0.2199



0.2901, 0.4020, 0.1988

Inverse Universe

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



11.7249, 0.4423, 0.2210



21.2016, 0.4448, 0.2224



37.7019, 0.2365, 0.3713



9.1047, 0.3193, 0.3147



7.9022, 0.4403, 0.2199



0.2901, 0.4020, 0.1988

Previews

White Background



This preview shows how the Yxy color 11.7235, 0.4423, 0.2210 looks on a white background.

Color Contrast Check

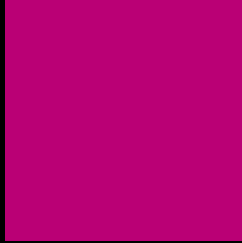
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7235, 0.4423, 0.2210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

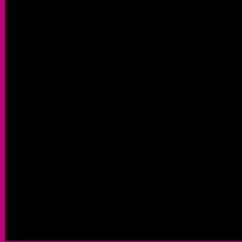
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7235, 0.4423, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 11.7235, 0.4423, 0.2210.



This preview shows how white text looks on a background with the Yxy color 11.7235, 0.4423, 0.2210.

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

11.7235, 0.4423, 0.2210

Protanopia

12.4218, 0.2105, 0.1918

Deuteranopia

12.4129, 0.3066, 0.3008



Tritanopia

12.1125, 0.5629, 0.3278

Trichromacy



Original Color

11.7235, 0.4423, 0.2210



Protanomaly

8.8869, 0.2627, 0.1710



Deuteranomaly

9.5757, 0.3569, 0.2369



Tritanomaly

11.4270, 0.5294, 0.2857

Monochromacy



Original Color

11.7235, 0.4423, 0.2210



Achromatopsia

5.9511, 0.3127, 0.3290



Achromatomaly

5.9180, 0.3759, 0.2402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7235, 0.4423, 0.2210 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(186, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 117)  
}
```

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(186, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 117) }
```

Border

The CSS property to change the border of an element to Yxy 11.7235, 0.4423, 0.2210 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(186, 0, 117) }
```

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

```
.border{ border-color:rgb(186, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7235, 0.4423, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 117) }
```

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

```
.background{ background-color: rgb(186, 0,  
117) }
```

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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