

Converting Colors

$Y_{xy}(11.9417, 0.4578, 0.2296)$

Have a look what the booklet for
Yxy(11.9417, 0.4578, 0.2296)
contains.

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Color

Yxy(11.9887, 0.4573, 0.2293)

Conversions

Conversions Part 1

Format	Color
Hex	BD0070
RGB	189, 0, 112
RGB Percent	74%, 0%, 44%
CMY	0.2589, 0.9997, 0.5607
CMYK	0.00, 1.00, 0.41, 0.26
HSL	324°, 100%, 37%
HSV	324°, 100%, 74%
XYZ	23.9094, 11.9887, 16.3858
YIQ	69.2790, 76.6920, 74.9000

Conversions

Conversions Part 2

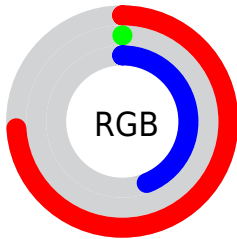
Format	Color
RYB	189, 0, 112
Decimal	12386416
CIELab	41.20, 69.09, -7.76
CIELCh	41, 69.523, 353.588
Yxy	11.9887, 0.4573, 0.2293
Android (android.graphics.Color)	4290576496 (0xFFBD0070)
YUV	69.2790, 21.0615, 104.9953
Hunter-Lab	34.6247, 62.6666, -3.8211

Details

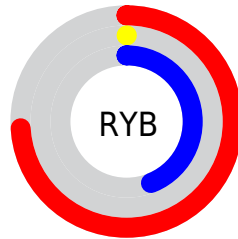
The Yxy color **11.9887, 0.4573, 0.2293** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **36.9280, 0.2807, 0.5306**, and the grayscale version is **5.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5013, 0.4217, 0.2520**, and **5.1160, 0.4930, 0.2489** is the 20% darker color. If you saturate the color by 10%, you get **11.9868, 0.4574, 0.2293**, and if you desaturate by 10%, it is **12.6317, 0.4388, 0.2254**.

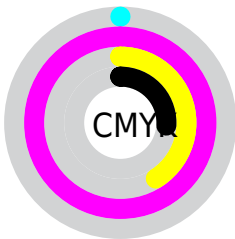
Distribution



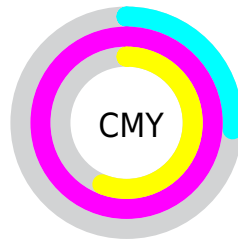
- Red (74%)
- Green (0%)
- Blue (44%)



- Red (74%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (26%)




- Cyan (26%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9887, 0.4573, 0.2293 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 11.9887, 0.4573, 0.2293 by changing the saturation by 10% instead.


 11.9887, 0.4573,
0.2293


 11.9887, 0.4573,
0.2293


204.3305, 0.3716,
0.2867


 6.7360, 0.4845,
0.2120


 29.4745, 0.4222,
0.2522


 3.2975, 0.5236,
0.1880

 42.4764, 0.4103,
0.2602


 1.2890, 0.5835,
0.1529

 58.8302, 0.4007,
0.2667

 0.1326, 0.7315,
0.0434

 78.9202, 0.3928,
0.2721

 0.0000, 1.0000,
0.0000

 103.1308, 0.3862,
0.2766

 0.0000, 0.0000,
0.0000

 131.8465, 0.3806,

0.2805

165.4516, 0.3758,
0.2838

■ 11.9887, 0.4573,
0.2293

■ 11.9887, 0.4573,
0.2293

■ 11.9868, 0.4574,
0.2293

■ 12.6317, 0.4388,
0.2254

■ 13.7393, 0.4199,
0.2260

■ 15.4747, 0.4013,
0.2316

■ 17.9200, 0.3835,
0.2412

■ 21.1450, 0.3673,
0.2539

■ 25.2109, 0.3528,
0.2685

■ 30.1728, 0.3402,
0.2839

■ 36.0810, 0.3294,
0.2994

■ 42.9822, 0.3203,
0.3146

Harmonies

Analogous

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



11.9887, 0.2994, 0.1706



11.9887, 0.4573, 0.2293



11.9887, 0.5745, 0.3033

Triad

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



11.9887, 0.4573, 0.2293



11.9887, 0.3889, 0.5861



11.9887, 0.0956, 0.1742

Complementary

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



11.9887, 0.4573, 0.2293



36.9280, 0.2807, 0.5306

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.



11.9887, 0.1053, 0.2716



11.9887, 0.4573, 0.2293



11.9887, 0.2656, 0.6049

Square

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



11.9887, 0.4573, 0.2293



11.9887, 0.5077, 0.4867



11.9887, 0.1607, 0.4533



11.9887, 0.1196, 0.1385

Rectangle

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



11.9887, 0.4573, 0.2293



11.9887, 0.5912, 0.3562



11.9887, 0.1607, 0.4533



11.9887, 0.0948, 0.1979

Sweetspot

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



11.9894, 0.4573, 0.2293



53.5383, 0.3408, 0.2831



5.1976, 0.1844, 0.0789



10.6720, 0.3460, 0.2765



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.



11.9894, 0.4573, 0.2293



21.4222, 0.4601, 0.2308



10.8663, 0.6286, 0.3237



9.6287, 0.3198, 0.3155



8.0815, 0.4551, 0.2281



0.3292, 0.4148, 0.2059

Inverse Universe

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



11.9894, 0.4573, 0.2293



21.4222, 0.4601, 0.2308



39.2973, 0.2334, 0.3603



9.6287, 0.3198, 0.3155



8.0815, 0.4551, 0.2281



0.3292, 0.4148, 0.2059

Previews

White Background



This preview shows how the Yxy color 11.9887, 0.4573, 0.2293 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 11.9887, 0.4573, 0.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

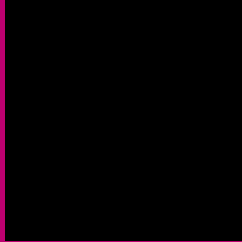
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9887, 0.4573, 0.2293

Background



This preview shows how black text looks on a background with the Yxy color 11.9887, 0.4573, 0.2293.



This preview shows how white text looks on a background with the Yxy color 11.9887, 0.4573, 0.2293.

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

11.9887, 0.4573, 0.2293

Protanopia

12.8044, 0.2211, 0.2066

Deuteranopia

12.6747, 0.3179, 0.3139



Tritanopia

12.3051, 0.5714, 0.3289

Trichromacy



Original Color

11.9887, 0.4573, 0.2293



Protanomaly

9.1414, 0.2774, 0.1827



Deuteranomaly

9.8252, 0.3715, 0.2484



Tritanomaly

11.6993, 0.5410, 0.2912

Monochromacy



Original Color

11.9887, 0.4573, 0.2293



Achromatopsia

5.9511, 0.3127, 0.3290



Achromatomaly

5.9680, 0.3805, 0.2429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9887, 0.4573, 0.2293 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(189, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 112)  
}
```

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(189, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 112) }
```

Border

The CSS property to change the border of an element to Yxy 11.9887, 0.4573, 0.2293 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(189, 0, 112) }
```

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

```
.border{ border-color:rgb(189, 0, 112) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9887, 0.4573, 0.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 112) }
```

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

```
.background{ background-color: rgb(189, 0,  
112) }
```

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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