

Converting Colors

$Y_{xy}(12.6741, 0.3239, 0.1558)$

Have a look what the booklet for
Yxy(12.6741, 0.3239, 0.1558)
contains.

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Color

Yxy(12.7183, 0.3251, 0.1565)

Conversions

Conversions Part 1

Format	Color
Hex	B300B0
RGB	179, 0, 176
RGB Percent	70%, 0%, 69%
CMY	0.2982, 0.9991, 0.3099
CMYK	0.00, 1.00, 0.02, 0.30
HSL	301°, 100%, 35%
HSV	301°, 100%, 70%
XYZ	26.4199, 12.7183, 42.1289
YIQ	73.5850, 50.1880, 92.6840

Conversions

Conversions Part 2

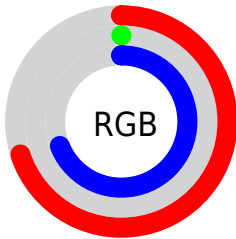
Format	Color
R _Y B	179, 0, 176
Decimal	11731120
CIE Lab	42.34, 74.87, -45.16
CIE LCh	42, 87.431, 328.902
Yxy	12.7183, 0.3251, 0.1565
Android (android.graphics.Color)	4289921200 (0xFFB300B0)
YUV	73.5850, 50.4906, 92.4490
Hunter-Lab	35.6627, 69.8280, -45.0762

Details

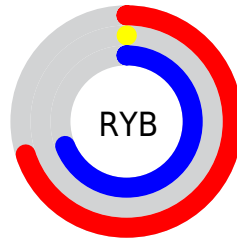
The Yxy color **12.7183, 0.3251, 0.1565** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **32.2358, 0.2997, 0.5988**, and the grayscale version is **6.6968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8325, 0.3266, 0.1882**, and **5.4950, 0.3170, 0.1520** is the 20% darker color. If you saturate the color by 10%, you get **12.7137, 0.3251, 0.1565**, and if you desaturate by 10%, it is **13.1625, 0.3245, 0.1602**.

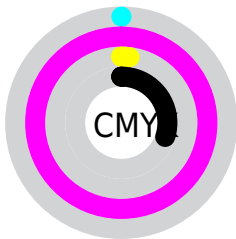
Distribution



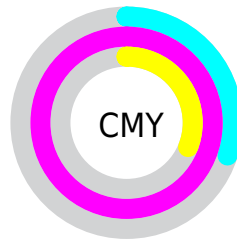
- Red (70%)
- Green (0%)
- Blue (69%)



- Red (70%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7183, 0.3251, 0.1565 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 12.7183, 0.3251, 0.1565 by changing the saturation by 10% instead.


 12.7183, 0.3251,
0.1565


 12.7183, 0.3251,
0.1565


 209.1043, 0.3233,
0.2440


 7.2349, 0.3236,
0.1355


 30.7968, 0.3258,
0.1880


 3.6094, 0.3201,
0.1098


 44.1606, 0.3256,
0.1999


 1.4576, 0.3129,
0.0784

 60.9200, 0.3253,
0.2101

 0.2586, 0.3016,
0.0281

 81.4593, 0.3249,
0.2188

 0.0000, 0.2648,
0.0000

 106.1630, 0.3245,
0.2264

 0.0000, 0.0000,
0.0000

 135.4155, 0.3241,

0.2330

169.6011, 0.3237,
0.2388

■ 12.7183, 0.3251,
0.1565

■ 12.7183, 0.3251,
0.1565

■ 12.7137, 0.3251,
0.1565

■ 13.1625, 0.3245,
0.1602

■ 14.0009, 0.3236,
0.1672

■ 15.3806, 0.3226,
0.1784

■ 17.3728, 0.3214,
0.1936

■ 20.0379, 0.3200,
0.2124

■ 23.4290, 0.3186,
0.2338

■ 27.5939, 0.3171,
0.2571

■ 32.5765, 0.3156,
0.2813

■ 38.4172, 0.3141,
0.3056

Harmonies

Analogous

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



12.7183, 0.1790, 0.1182



12.7183, 0.3251, 0.1565



12.7183, 0.5204, 0.2237

Triad

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



12.7183, 0.3251, 0.1565



12.7183, 0.4923, 0.5077



12.7183, 0.0721, 0.2253

Complementary

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



12.7183, 0.3251, 0.1565



32.2358, 0.2997, 0.5988

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.



12.7183, 0.1148, 0.4349



12.7183, 0.3251, 0.1565



12.7183, 0.3537, 0.6463

Square

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



12.7183, 0.3251, 0.1565



12.7183, 0.6094, 0.3906



12.7183, 0.2178, 0.6617



12.7183, 0.0719, 0.1369

Rectangle

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



12.7183, 0.3251, 0.1565



12.7183, 0.6138, 0.2751



12.7183, 0.2178, 0.6617



12.7183, 0.0802, 0.2794

Sweetspot

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



12.7189, 0.3251, 0.1565



48.9216, 0.3172, 0.2556



3.2791, 0.1506, 0.0604



10.1195, 0.3178, 0.2458



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



12.7189, 0.3251, 0.1565



22.7755, 0.3252, 0.1565



10.2668, 0.5022, 0.2541



8.6442, 0.3140, 0.3069



8.9887, 0.3251, 0.1564



0.2836, 0.3238, 0.1558

Inverse Universe

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



12.7189, 0.3251, 0.1565



22.7755, 0.3252, 0.1565



33.0116, 0.2707, 0.4945



8.6442, 0.3140, 0.3069



8.9887, 0.3251, 0.1564



0.2836, 0.3238, 0.1558

Previews

White Background



This preview shows how the Yxy color 12.7183, 0.3251, 0.1565 looks on a white background.

Color Contrast Check

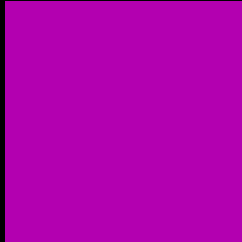
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7183, 0.3251, 0.1565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

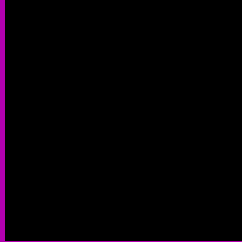
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7183, 0.3251, 0.1565

Background



This preview shows how black text looks on a background with the Yxy color 12.7183, 0.3251, 0.1565.



This preview shows how white text looks on a background with the Yxy color 12.7183, 0.3251, 0.1565.

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

12.7183, 0.3251, 0.1565

Protanopia

13.5271, 0.1744, 0.1477

Deuteranopia

13.5071, 0.2125, 0.2086



Tritanopia

13.0755, 0.4811, 0.3224

Trichromacy



Original Color

12.7183, 0.3251, 0.1565



Protanomaly

8.7100, 0.1834, 0.1138



Deuteranomaly

9.8252, 0.2370, 0.1547



Tritanomaly

11.7197, 0.4267, 0.2406

Monochromacy



Original Color

12.7183, 0.3251, 0.1565



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.6255, 0.3207, 0.2011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7183, 0.3251, 0.1565 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(179, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 176)  
}
```

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(179, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 176) }
```

Border

The CSS property to change the border of an element to Yxy 12.7183, 0.3251, 0.1565 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(179, 0, 176) }
```

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

```
.border{ border-color:rgb(179, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7183, 0.3251, 0.1565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 176) }
```

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

```
.background{ background-color: rgb(179, 0,  
176) }
```

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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