

Converting Colors

$Y_{xy}(12.0202, 0.3168, 0.1519)$

Have a look what the booklet for
Yxy(12.0202, 0.3168, 0.1519)
contains.

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Color

Yxy(12.0188, 0.3167, 0.1518)

Conversions

Conversions Part 1

Format	Color
Hex	AD00B0
RGB	173, 0, 176
RGB Percent	68%, 0%, 69%
CMY	0.3215, 1.0000, 0.3097
CMYK	0.02, 1.00, 0.00, 0.31
HSL	299°, 100%, 35%
HSV	299°, 100%, 69%
XYZ	25.0748, 12.0188, 42.0816
YIQ	71.7910, 46.6120, 91.4120

Conversions

Conversions Part 2

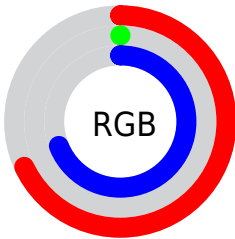
Format	Color
R_{YB}	173, 0, 176
Decimal	11337904
CIE _{Lab}	41.25, 73.93, -46.98
CIE _{LCh}	41, 87.594, 327.563
Yxy	12.0188, 0.3167, 0.1518
Android (android.graphics.Color)	4289527984 (0xFFAD00B0)
YUV	71.7910, 51.3750, 88.7603
Hunter-Lab	34.6681, 68.4363, -47.7010

Details

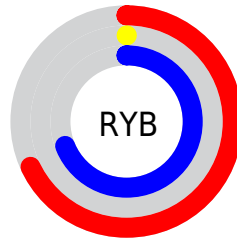
The Yxy color **12.0188, 0.3167, 0.1518** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **31.0770, 0.3004, 0.5997**, and the grayscale version is **6.3489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4790, 0.3195, 0.1843**, and **5.1431, 0.3072, 0.1466** is the 20% darker color. If you saturate the color by 10%, you get **12.0220, 0.3167, 0.1518**, and if you desaturate by 10%, it is **12.4760, 0.3170, 0.1560**.

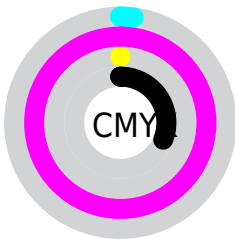
Distribution



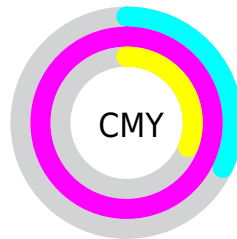
- Red (68%)
- Green (0%)
- Blue (69%)



- Red (68%)
- Yellow (0%)
- Blue (69%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)





- Cyan (32%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0188, 0.3167, 0.1518 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 12.0188, 0.3167, 0.1518 by changing the saturation by 10% instead.


 12.0188, 0.3167,
0.1518


 12.0188, 0.3167,
0.1518


 204.5297, 0.3199,
0.2418


 6.7565, 0.3136,
0.1303


 29.5293, 0.3194,
0.1842


 3.3103, 0.3080,
0.1040


 42.5464, 0.3200,
0.1965

 1.2958, 0.2975,
0.0723

 58.9171, 0.3202,
0.2070

 0.1379, 0.2829,
0.0157

 79.0258, 0.3203,
0.2159

 0.0000, 0.2360,
0.0000

 103.2571, 0.3203,
0.2237

 0.0000, 0.0000,
0.0000

 131.9952, 0.3202,

0.2305

165.6246, 0.3201,
0.2365

■ 12.0188, 0.3167,
0.1518

■ 12.0188, 0.3167,
0.1518

■ 12.0220, 0.3167,
0.1518

■ 12.4760, 0.3170,
0.1560

■ 13.3046, 0.3171,
0.1634

■ 14.6533, 0.3171,
0.1751

■ 16.5907, 0.3168,
0.1907

■ 19.1747, 0.3164,
0.2099

■ 22.4564, 0.3158,
0.2319

■ 26.4817, 0.3152,
0.2556

■ 31.2928, 0.3144,
0.2802

■ 36.9285, 0.3136,
0.3049

Harmonies

Analogous

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



12.0188, 0.1722, 0.1148



12.0188, 0.3167, 0.1518



12.0188, 0.5160, 0.2184

Triad

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



12.0188, 0.3167, 0.1518



12.0188, 0.4985, 0.5015



12.0188, 0.0701, 0.2292

Complementary

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



12.0188, 0.3167, 0.1518



31.0770, 0.3004, 0.5997

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.



12.0188, 0.1148, 0.4493



12.0188, 0.3167, 0.1518



12.0188, 0.3568, 0.6432

Square

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



12.0188, 0.3167, 0.1518



12.0188, 0.6159, 0.3841



12.0188, 0.2202, 0.6742



12.0188, 0.0688, 0.1364

Rectangle

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



12.0188, 0.3167, 0.1518



12.0188, 0.6149, 0.2698



12.0188, 0.2202, 0.6742



12.0188, 0.0788, 0.2862

Sweetspot

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



12.0220, 0.3167, 0.1518



47.6004, 0.3152, 0.2543



3.2627, 0.1506, 0.0622



9.6357, 0.3155, 0.2444



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.0220, 0.3167, 0.1518



21.7883, 0.3166, 0.1518



10.0381, 0.4811, 0.2424



8.6392, 0.3135, 0.3065



8.8215, 0.3167, 0.1519



0.2799, 0.3180, 0.1525

Inverse Universe

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



9.2387, 0.6382, 0.3289



16.7489, 0.6387, 0.3292



31.6690, 0.2753, 0.5112



8.5075, 0.3284, 0.3287



6.7780, 0.6378, 0.3287



0.2140, 0.6283, 0.3235

Previews

White Background



This preview shows how the Yxy color 12.0188, 0.3167, 0.1518 looks on a white background.

Color Contrast Check

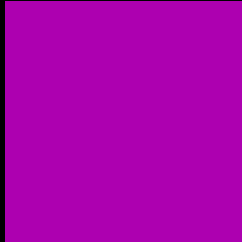
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0188, 0.3167, 0.1518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

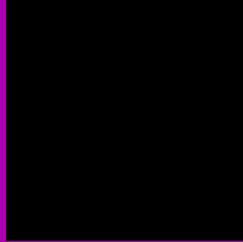
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0188, 0.3167, 0.1518

Background



This preview shows how black text looks on a background with the Yxy color 12.0188, 0.3167, 0.1518.



This preview shows how white text looks on a background with the Yxy color 12.0188, 0.3167, 0.1518.

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

12.0188, 0.3167, 0.1518

Protanopia

12.6775, 0.1744, 0.1478

Deuteranopia

12.6717, 0.2060, 0.2011



Tritanopia

12.4320, 0.4730, 0.3220

Trichromacy



Original Color

12.0188, 0.3167, 0.1518



Protanomaly

8.2445, 0.1830, 0.1130



Deuteranomaly

9.1840, 0.2285, 0.1484



Tritanomaly

11.0561, 0.4175, 0.2368

Monochromacy



Original Color

12.0188, 0.3167, 0.1518



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.3310, 0.3168, 0.1986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0188, 0.3167, 0.1518 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, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 176) }
```

Border

The CSS property to change the border of an element to Yxy 12.0188, 0.3167, 0.1518 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, 0, 176) }
```

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

```
.border{ border-color:rgb(173, 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(173, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0188, 0.3167, 0.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 176) }
```

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

```
.background{ background-color: rgb(173, 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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