

Converting Colors

$Yxy(11.8633, 0.3246, 0.1562)$

Have a look what the booklet for
Yxy(11.8633, 0.3246, 0.1562)
contains.

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Color

Yxy(11.8245, 0.3238, 0.1557)

Conversions

Conversions Part 1

Format	Color
Hex	AD00AB
RGB	173, 0, 171
RGB Percent	68%, 0%, 67%
CMY	0.3215, 1.0000, 0.3293
CMYK	0.00, 1.00, 0.01, 0.32
HSL	301°, 100%, 34%
HSV	301°, 100%, 68%
XYZ	24.5907, 11.8245, 39.5289
YIQ	71.2210, 48.2170, 89.8570

Conversions

Conversions Part 2

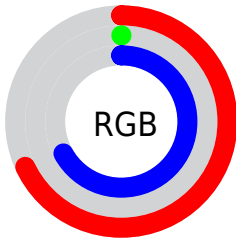
Format	Color
R_{YB}	173, 0, 171
Decimal	11337899
CIE _{Lab}	40.94, 73.19, -44.51
CIE _{LCh}	41, 85.660, 328.694
Yxy	11.8245, 0.3238, 0.1557
Android (android.graphics.Color)	4289527979 (0xFFAD00AB)
YUV	71.2210, 49.1910, 89.2602
Hunter-Lab	34.3868, 67.4723, -44.0854

Details

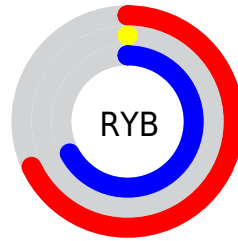
The Yxy color **11.8245, 0.3238, 0.1557** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **29.9018, 0.2998, 0.5992**, and the grayscale version is **6.2515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1989, 0.3246, 0.1881**, and **5.0210, 0.3169, 0.1519** is the 20% darker color. If you saturate the color by 10%, you get **11.8287, 0.3238, 0.1557**, and if you desaturate by 10%, it is **12.2467, 0.3233, 0.1595**.

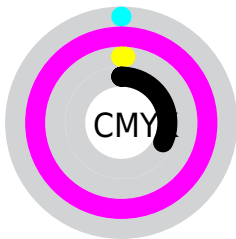
Distribution



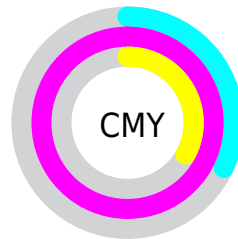
- Red (68%)
- Green (0%)
- Blue (67%)



- Red (68%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (32%)



- Cyan (32%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8245, 0.3238, 0.1557 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 11.8245, 0.3238, 0.1557 by changing the saturation by 10% instead.


 11.8245, 0.3238,
0.1557


 11.8245, 0.3238,
0.1557


 203.2400, 0.3227,
0.2446


 6.6243, 0.3220,
0.1341


 29.1751, 0.3248,
0.1879


 3.2283, 0.3180,
0.1076


 42.0942, 0.3247,
0.2001

 1.2520, 0.3098,
0.0752

 58.3551, 0.3245,
0.2104

 0.1036, 0.2996,
0.0131

 78.3422, 0.3242,
0.2192

 0.0000, 0.2537,
0.0000

 102.4398, 0.3238,
0.2268

 0.0000, 0.0000,
0.0000

 131.0324, 0.3234,

0.2335

164.5043, 0.3231,
0.2394

■ 11.8245, 0.3238,
0.1557

■ 11.8245, 0.3238,
0.1557

■ 11.8287, 0.3238,
0.1557

■ 12.2467, 0.3233,
0.1595

■ 13.0229, 0.3226,
0.1666

■ 14.2994, 0.3218,
0.1778

■ 16.1415, 0.3207,
0.1931

■ 18.6048, 0.3195,
0.2119

■ 21.7383, 0.3182,
0.2334

■ 25.5860, 0.3168,
0.2567

■ 30.1882, 0.3154,
0.2809

■ 35.5822, 0.3140,
0.3052

Harmonies

Analogous

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



11.8245, 0.1779, 0.1176



11.8245, 0.3238, 0.1557



11.8245, 0.5198, 0.2228

Triad

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



11.8245, 0.3238, 0.1557



11.8245, 0.4932, 0.5068



11.8245, 0.0717, 0.2258

Complementary

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



11.8245, 0.3238, 0.1557



29.9018, 0.2998, 0.5992

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.



11.8245, 0.1147, 0.4372



11.8245, 0.3238, 0.1557



11.8245, 0.3541, 0.6459

Square

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



11.8245, 0.3238, 0.1557



11.8245, 0.6105, 0.3895



11.8245, 0.2181, 0.6639



11.8245, 0.0713, 0.1368

Rectangle

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



11.8245, 0.3238, 0.1557



11.8245, 0.6141, 0.2743



11.8245, 0.2181, 0.6639



11.8245, 0.0799, 0.2804

Sweetspot

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



11.8287, 0.3238, 0.1557



45.4137, 0.3169, 0.2554



3.0182, 0.1500, 0.0600



9.2317, 0.3174, 0.2458



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



11.8287, 0.3238, 0.1557



21.1750, 0.3238, 0.1558



9.5675, 0.4949, 0.2500



8.1465, 0.3139, 0.3069



8.6876, 0.3238, 0.1557



0.2422, 0.3228, 0.1552

Inverse Universe

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



11.8287, 0.3238, 0.1557



21.1750, 0.3238, 0.1558



30.5776, 0.2722, 0.4999



8.1465, 0.3139, 0.3069



8.6876, 0.3238, 0.1557



0.2422, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 11.8245, 0.3238, 0.1557 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 11.8245, 0.3238, 0.1557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

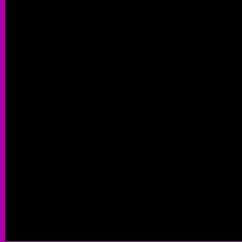
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8245, 0.3238, 0.1557

Background



This preview shows how black text looks on a background with the Yxy color 11.8245, 0.3238, 0.1557.



This preview shows how white text looks on a background with the Yxy color 11.8245, 0.3238, 0.1557.

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

11.8245, 0.3238, 0.1557

Protanopia

12.6300, 0.1746, 0.1486

Deuteranopia

12.4890, 0.2110, 0.2055



Tritanopia

12.1636, 0.4787, 0.3221

Trichromacy



Original Color

11.8245, 0.3238, 0.1557



Protanomaly

8.1558, 0.1837, 0.1141



Deuteranomaly

9.0964, 0.2351, 0.1522



Tritanomaly

10.9175, 0.4242, 0.2400

Monochromacy



Original Color

11.8245, 0.3238, 0.1557



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.1265, 0.3208, 0.2010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8245, 0.3238, 0.1557 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 171) }
```

Border

The CSS property to change the border of an element to Yxy 11.8245, 0.3238, 0.1557 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, 171) }
```

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

```
.border{ border-color:rgb(173, 0, 171) }
```

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, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8245, 0.3238, 0.1557 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, 171) }
```

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

```
.background{ background-color: rgb(173, 0,  
171) }
```

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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