

Converting Colors

$Y_{xy}(11.4994, 0.3239, 0.1558)$

Have a look what the booklet for
Yxy(11.4994, 0.3239, 0.1558)
contains.

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Color

Yxy(11.5225, 0.3238, 0.1558)

Conversions

Conversions Part 1

Format	Color
Hex	AB00A9
RGB	171, 0, 169
RGB Percent	67%, 0%, 66%
CMY	0.3296, 0.9989, 0.3373
CMYK	0.00, 1.00, 0.01, 0.33
HSL	301°, 100%, 34%
HSV	301°, 100%, 67%
XYZ	23.9473, 11.5225, 38.4872
YIQ	70.3950, 47.6670, 88.8110

Conversions

Conversions Part 2

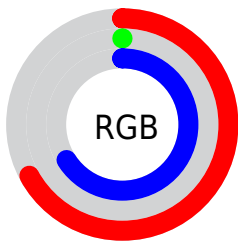
Format	Color
RYB	171, 0, 169
Decimal	11206825
CIELab	40.45, 72.49, -44.09
CIELCh	40, 84.846, 328.693
Yxy	11.5225, 0.3238, 0.1558
Android (android.graphics.Color)	4289396905 (0xFFAB00A9)
YUV	70.3950, 48.6123, 88.2306
Hunter-Lab	33.9448, 66.5242, -43.4627

Details

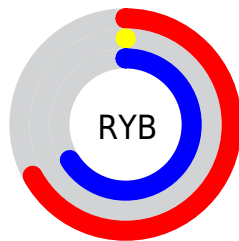
The Yxy color **11.5225, 0.3238, 0.1558** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **29.1164, 0.2998, 0.5991**, and the grayscale version is **6.1320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5999, 0.3247, 0.1880**, and **4.8384, 0.3168, 0.1519** is the 20% darker color. If you saturate the color by 10%, you get **11.5168, 0.3238, 0.1557**, and if you desaturate by 10%, it is **11.9371, 0.3233, 0.1597**.

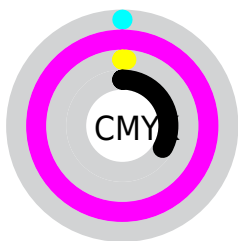
Distribution



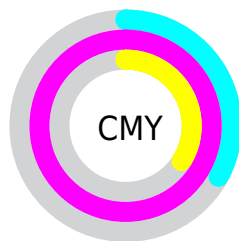
- Red (67%)
- Green (0%)
- Blue (66%)



- Red (67%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5225, 0.3238, 0.1558 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 11.5225, 0.3238, 0.1558 by changing the saturation by 10% instead.


 11.5225, 0.3238,
0.1558


 11.5225, 0.3238,
0.1558


201.2180, 0.3227,
0.2450


 6.4194, 0.3219,
0.1340


 28.6224, 0.3248,
0.1882


 3.1018, 0.3179,
0.1072


 41.3880, 0.3247,
0.2004


 1.1851, 0.3095,
0.0744

 57.4766, 0.3245,
0.2108

 0.0495, 0.3002,
0.0066

 77.2726, 0.3242,
0.2196

 0.0000, 0.2503,
0.0000

 101.1603, 0.3238,
0.2273

 0.0000, 0.0000,
0.0000

 129.5242, 0.3234,

0.2340

162.7486, 0.3230,
0.2398

■ 11.5225, 0.3238,
0.1558

■ 11.5225, 0.3238,
0.1558

■ 11.5168, 0.3238,
0.1557

■ 11.9371, 0.3233,
0.1597

■ 12.7032, 0.3226,
0.1668

■ 13.9571, 0.3218,
0.1781

■ 15.7621, 0.3207,
0.1935

■ 18.1719, 0.3195,
0.2123

■ 21.2340, 0.3181,
0.2338

■ 24.9911, 0.3168,
0.2571

■ 29.4822, 0.3154,
0.2813

■ 34.7435, 0.3140,
0.3057

Harmonies

Analogous

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



11.5225, 0.1780, 0.1177



11.5225, 0.3238, 0.1558



11.5225, 0.5196, 0.2229

Triad

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



11.5225, 0.3238, 0.1558



11.5225, 0.4932, 0.5068



11.5225, 0.0718, 0.2259

Complementary

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



11.5225, 0.3238, 0.1558



29.1164, 0.2998, 0.5991

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.



11.5225, 0.1148, 0.4371



11.5225, 0.3238, 0.1558



11.5225, 0.3542, 0.6458

Square

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



11.5225, 0.3238, 0.1558



11.5225, 0.6104, 0.3896



11.5225, 0.2182, 0.6635



11.5225, 0.0714, 0.1369

Rectangle

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



11.5225, 0.3238, 0.1558



11.5225, 0.6139, 0.2743



11.5225, 0.2182, 0.6635



11.5225, 0.0801, 0.2804

Sweetspot

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



11.5230, 0.3238, 0.1558



44.2716, 0.3169, 0.2555



2.9466, 0.1501, 0.0602



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.



11.5230, 0.3238, 0.1558



20.6350, 0.3239, 0.1558



9.3251, 0.4943, 0.2498



8.1465, 0.3139, 0.3069



8.6873, 0.3238, 0.1557



0.2422, 0.3229, 0.1552

Inverse Universe

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



11.5230, 0.3238, 0.1558



20.6350, 0.3239, 0.1558



29.7773, 0.2721, 0.4995



8.1465, 0.3139, 0.3069



8.6873, 0.3238, 0.1557



0.2422, 0.3229, 0.1552

Previews

White Background



This preview shows how the Yxy color 11.5225, 0.3238, 0.1558 looks on a white background.

Color Contrast Check

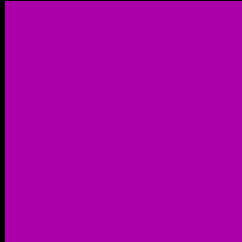
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.5225, 0.3238, 0.1558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

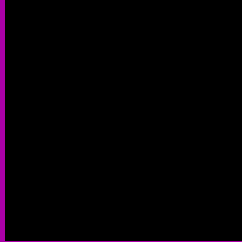
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5225, 0.3238, 0.1558

Background



This preview shows how black text looks on a background with the Yxy color 11.5225, 0.3238, 0.1558.



This preview shows how white text looks on a background with the Yxy color 11.5225, 0.3238, 0.1558.

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

11.5225, 0.3238, 0.1558

Protanopia

12.1755, 0.1742, 0.1470

Deuteranopia

12.2307, 0.2117, 0.2063



Tritanopia

11.8249, 0.4788, 0.3220

Trichromacy



Original Color

11.5225, 0.3238, 0.1558



Protanomaly

7.9300, 0.1834, 0.1137



Deuteranomaly

8.8563, 0.2354, 0.1522



Tritanomaly

10.6100, 0.4235, 0.2391

Monochromacy



Original Color

11.5225, 0.3238, 0.1558



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.0641, 0.3188, 0.2002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5225, 0.3238, 0.1558 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(171, 0, 169)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 169)  
}
```

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(171, 0, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 169) }
```

Border

The CSS property to change the border of an element to Yxy 11.5225, 0.3238, 0.1558 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(171, 0, 169) }
```

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

```
.border{ border-color:rgb(171, 0, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5225, 0.3238, 0.1558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 169) }
```

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

```
.background{ background-color: rgb(171, 0,  
169) }
```

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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