

Converting Colors

$Y_{xy}(11.5831, 0.3149, 0.1568)$

Have a look what the booklet for
Yxy(11.5831, 0.3149, 0.1568)
contains.

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Color

Yxy(11.5831, 0.3149, 0.1568)

Conversions

Conversions Part 1

Format	Color
Hex	A616AA
RGB	166, 22, 170
RGB Percent	65%, 9%, 67%
CMY	0.3491, 0.9133, 0.3334
CMYK	0.02, 0.87, 0.00, 0.33
HSL	298°, 77%, 38%
HSV	298°, 87%, 67%
XYZ	23.2622, 11.5831, 39.0265
YIQ	81.9280, 38.3160, 76.5560

Conversions

Conversions Part 2

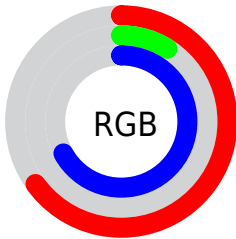
Format	Color
R _Y B	166, 22, 170
Decimal	10884778
CIE Lab	40.55, 69.03, -44.58
CIE LCh	41, 82.168, 327.147
Yxy	11.5831, 0.3149, 0.1568
Android (android.graphics.Color)	4289074858 (0xFFA616AA)
YUV	81.9280, 43.4195, 73.7311
Hunter-Lab	34.0340, 62.4455, -44.1636

Details

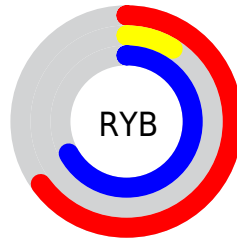
The Yxy color **11.5831, 0.3149, 0.1568** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **29.0189, 0.3017, 0.5857**, and the grayscale version is **8.3402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8109, 0.3182, 0.1893**, and **4.5356, 0.3045, 0.1451** is the 20% darker color. If you saturate the color by 10%, you get **11.0669, 0.3144, 0.1517**, and if you desaturate by 10%, it is **12.5136, 0.3153, 0.1658**.

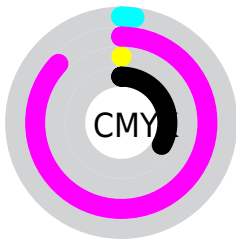
Distribution



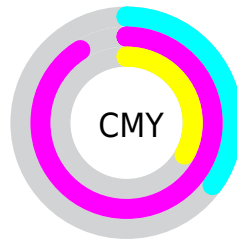
- Red (65%)
- Green (9%)
- Blue (67%)



- Red (65%)
- Yellow (9%)
- Blue (67%)



- Cyan (2%)
- Magenta (87%)
- Yellow (0%)
- Black (33%)





- Cyan (35%)
- Magenta (91%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.5831, 0.3149, 0.1568 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 11.5831, 0.3149, 0.1568 by changing the saturation by 10% instead.


 11.5831, 0.3149,
0.1568


 11.5831, 0.3149,
0.1568


201.6254, 0.3188,
0.2457


 6.4605, 0.3116,
0.1350


 28.7335, 0.3178,
0.1891


 3.1271, 0.3058,
0.1081


 41.5301, 0.3185,
0.2013

 1.1984, 0.2947,
0.0752

 57.6534, 0.3188,
0.2116

 0.0604, 0.2810,
0.0081

 77.4879, 0.3189,
0.2205

 0.0000, 0.2254,
0.0000

 101.4179, 0.3190,
0.2281

 0.0000, 0.0000,
0.0000

 129.8280, 0.3189,

0.2347

163.1023, 0.3189,
0.2405

■ 11.5831, 0.3149,
0.1568

■ 11.5831, 0.3149,
0.1568

■ 11.0669, 0.3144,
0.1517

■ 12.5136, 0.3153,
0.1658

■ 10.9410, 0.3142,
0.1505

■ 13.9440, 0.3154,
0.1789

■ 15.9342, 0.3154,
0.1959

■ 18.5353, 0.3152,
0.2162

■ 21.7923, 0.3149,
0.2389

■ 25.7465, 0.3144,
0.2630

■ 30.4353, 0.3138,
0.2877

■ 35.8937, 0.3132,
0.3123

■ 42.1545, 0.3125,
0.3360

Harmonies

Analogous

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



11.5831, 0.1760, 0.1206



11.5831, 0.3149, 0.1568



11.5831, 0.5043, 0.2221

Triad

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



11.5831, 0.3149, 0.1568



11.5831, 0.4998, 0.5002



11.5831, 0.0773, 0.2372

Complementary

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



11.5831, 0.3149, 0.1568



29.0189, 0.3017, 0.5857

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.



11.5831, 0.1241, 0.4475



11.5831, 0.3149, 0.1568



11.5831, 0.3654, 0.6346

Square

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



11.5831, 0.3149, 0.1568



11.5831, 0.6101, 0.3878



11.5831, 0.2297, 0.6561



11.5831, 0.0747, 0.1440

Rectangle

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



11.5831, 0.3149, 0.1568



11.5831, 0.6004, 0.2733



11.5831, 0.2297, 0.6561



11.5831, 0.0867, 0.2928

Sweetspot

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



11.5836, 0.3149, 0.1568



47.1383, 0.3144, 0.2643



3.8589, 0.1590, 0.0769



9.9371, 0.3146, 0.2561



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.



11.5836, 0.3149, 0.1568



19.8419, 0.3141, 0.1504



10.0603, 0.4519, 0.2367



7.6561, 0.3133, 0.3067



8.0552, 0.3143, 0.1505



0.1991, 0.3166, 0.1518

Inverse Universe

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



9.1963, 0.6066, 0.3272



15.5191, 0.6378, 0.3287



29.6686, 0.2719, 0.4860



7.5455, 0.3282, 0.3284



6.2953, 0.6363, 0.3279



0.1542, 0.6197, 0.3187

Previews

White Background



This preview shows how the Yxy color 11.5831, 0.3149, 0.1568 looks on a white background.

Color Contrast Check

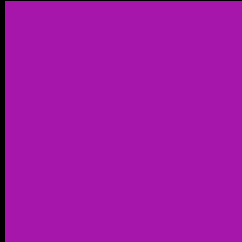
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.5831, 0.3149, 0.1568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

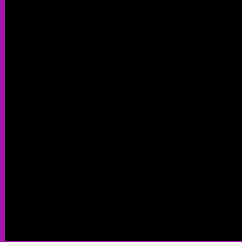
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5831, 0.3149, 0.1568

Background



This preview shows how black text looks on a background with the Yxy color 11.5831, 0.3149, 0.1568.



This preview shows how white text looks on a background with the Yxy color 11.5831, 0.3149, 0.1568.

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

11.5831, 0.3149, 0.1568

Protanopia

12.0826, 0.1746, 0.1486

Deuteranopia

12.1142, 0.2078, 0.2039



Tritanopia

11.7192, 0.4631, 0.3215

Trichromacy



Original Color

11.5831, 0.3149, 0.1568



Protanomaly

8.7257, 0.1850, 0.1241



Deuteranomaly

9.5475, 0.2305, 0.1604



Tritanomaly

10.9310, 0.4079, 0.2438

Monochromacy



Original Color

11.5831, 0.3149, 0.1568



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

7.9573, 0.3160, 0.2194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5831, 0.3149, 0.1568 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(166, 22, 170)` looks like.

```
.text, #text, p{  
    color:rgb(166, 22, 170)  
}
```

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(166, 22, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 22, 170) }
```

Border

The CSS property to change the border of an element to Yxy 11.5831, 0.3149, 0.1568 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(166, 22, 170) }
```

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

```
.border{ border-color:rgb(166, 22, 170) }
```

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

Here you see how a box with a 4 pixel rgb(166, 22, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 22, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 22, 170);  
box-shadow:4px 4px 4px 4px rgb(166, 22,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5831, 0.3149, 0.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 22, 170) }
```

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

```
.background{ background-color: rgb(166, 22,  
170) }
```

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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