

Converting Colors

$Y_{xy}(11.9367, 0.3202, 0.1578)$

Have a look what the booklet for
Yxy(11.9367, 0.3202, 0.1578)
contains.

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Color

Yxy(11.8872, 0.3193, 0.1573)

Conversions

Conversions Part 1

Format	Color
Hex	AA11AB
RGB	170, 17, 171
RGB Percent	67%, 7%, 67%
CMY	0.3333, 0.9334, 0.3294
CMYK	0.01, 0.90, 0.00, 0.33
HSL	300°, 82%, 37%
HSV	300°, 90%, 67%
XYZ	24.1296, 11.8872, 39.5535
YIQ	80.3030, 41.7540, 80.3300

Conversions

Conversions Part 2

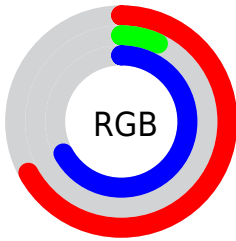
Format	Color
R_{YB}	170, 17, 171
Decimal	11145643
CIE _{Lab}	41.04, 70.75, -44.37
CIE _{LCh}	41, 83.511, 327.909
Yxy	11.8872, 0.3193, 0.1573
Android (android.graphics.Color)	4289335723 (0xFFAA11AB)
YUV	80.3030, 44.7136, 78.6643
Hunter-Lab	34.4778, 64.5885, -43.8839

Details

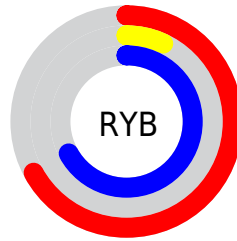
The Yxy color **11.8872, 0.3193, 0.1573** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **29.2970, 0.3006, 0.5905**, and the grayscale version is **7.9891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3488, 0.3214, 0.1896**, and **4.8187, 0.3108, 0.1486** is the 20% darker color. If you saturate the color by 10%, you get **11.4747, 0.3193, 0.1533**, and if you desaturate by 10%, it is **12.6489, 0.3191, 0.1646**.

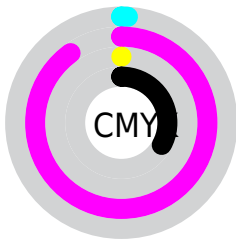
Distribution



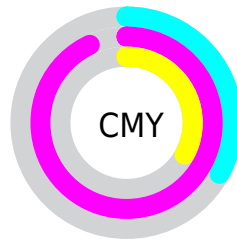
- Red (67%)
- Green (7%)
- Blue (67%)



- Red (67%)
- Yellow (7%)
- Blue (67%)



- Cyan (1%)
- Magenta (90%)
- Yellow (0%)
- Black (33%)




- Cyan (33%)
- Magenta (93%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8872, 0.3193, 0.1573 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 11.8872, 0.3193, 0.1573 by changing the saturation by 10% instead.

 11.8872, 0.3193,
0.1573


 11.8872, 0.3193,
0.1573


 203.6571, 0.3206,
0.2456


 6.6669, 0.3168,
0.1358


 29.2895, 0.3212,
0.1893


 3.2547, 0.3120,
0.1092


 42.2403, 0.3215,
0.2014

 1.2661, 0.3025,
0.0767

 58.5367, 0.3215,
0.2117

 0.1147, 0.2903,
0.0146

 78.5632, 0.3215,
0.2204

 0.0000, 0.2421,
0.0000

 102.7040, 0.3213,
0.2280

 0.0000, 0.0000,
0.0000

 131.3437, 0.3211,

0.2346

164.8666, 0.3209,
0.2404

■ 11.8872, 0.3193,
0.1573

■ 11.8872, 0.3193,
0.1573

■ 11.4747, 0.3193,
0.1533

■ 12.6489, 0.3191,
0.1646

■ 13.8967, 0.3188,
0.1760

■ 15.6945, 0.3183,
0.1915

■ 18.0964, 0.3176,
0.2105

■ 21.1500, 0.3167,
0.2322

■ 24.8981, 0.3158,
0.2557

■ 29.3799, 0.3148,
0.2802

■ 34.6316, 0.3137,
0.3048

■ 40.6871, 0.3127,
0.3289

Harmonies

Analogous

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



11.8872, 0.1779, 0.1202



11.8872, 0.3193, 0.1573



11.8872, 0.5102, 0.2233

Triad

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



11.8872, 0.3193, 0.1573



11.8872, 0.4965, 0.5035



11.8872, 0.0758, 0.2327

Complementary

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



11.8872, 0.3193, 0.1573



29.2970, 0.3006, 0.5905

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.



11.8872, 0.1210, 0.4416



11.8872, 0.3193, 0.1573



11.8872, 0.3612, 0.6388

Square

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



11.8872, 0.3193, 0.1573



11.8872, 0.6099, 0.3901



11.8872, 0.2254, 0.6564



11.8872, 0.0741, 0.1417

Rectangle

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



11.8872, 0.3193, 0.1573



11.8872, 0.6048, 0.2746



11.8872, 0.2254, 0.6564



11.8872, 0.0847, 0.2875

Sweetspot

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



11.8877, 0.3193, 0.1573



46.5336, 0.3155, 0.2620



3.5446, 0.1560, 0.0706



9.8266, 0.3158, 0.2540



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.



11.8877, 0.3193, 0.1573



20.5452, 0.3193, 0.1533



9.9143, 0.4649, 0.2409



8.1454, 0.3137, 0.3066



8.6505, 0.3193, 0.1533



0.2415, 0.3198, 0.1536

Inverse Universe

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



9.1030, 0.6190, 0.3294



15.5091, 0.6395, 0.3297



30.0099, 0.2711, 0.4870



8.0162, 0.3285, 0.3289



6.5289, 0.6392, 0.3295



0.1819, 0.6353, 0.3273

Previews

White Background



This preview shows how the Yxy color 11.8872, 0.3193, 0.1573 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 11.8872, 0.3193, 0.1573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

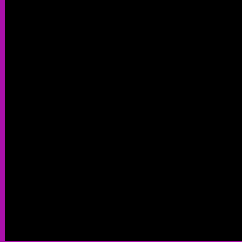
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8872, 0.3193, 0.1573

Background



This preview shows how black text looks on a background with the Yxy color 11.8872, 0.3193, 0.1573.



This preview shows how white text looks on a background with the Yxy color 11.8872, 0.3193, 0.1573.

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

11.8872, 0.3193, 0.1573

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.4267, 0.2096, 0.2052



Tritanopia

11.9862, 0.4717, 0.3218

Trichromacy



Original Color

11.8872, 0.3193, 0.1573



Protanomaly

8.7561, 0.1852, 0.1220



Deuteranomaly

9.6255, 0.2329, 0.1594



Tritanomaly

11.0873, 0.4153, 0.2428

Monochromacy



Original Color

11.8872, 0.3193, 0.1573



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

7.6292, 0.3180, 0.2156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8872, 0.3193, 0.1573 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(170, 17, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 17, 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(170, 17, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 17, 171) }
```

Border

The CSS property to change the border of an element to Yxy 11.8872, 0.3193, 0.1573 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(170, 17, 171) }
```

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

```
.border{ border-color:rgb(170, 17, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 17, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 17, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 17, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 17,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8872, 0.3193, 0.1573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 17, 171) }
```

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

```
.background{ background-color: rgb(170, 17,  
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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