

Converting Colors

$Y_{xy}(15.8975, 0.3159, 0.1948)$

Have a look what the booklet for
Yxy(15.8975, 0.3159, 0.1948)
contains.

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Color

Yxy(15.8618, 0.3163, 0.1951)

Conversions

Conversions Part 1

Format	Color
Hex	A848AA
RGB	168, 72, 170
RGB Percent	66%, 28%, 67%
CMY	0.3413, 0.7175, 0.3334
CMYK	0.01, 0.58, 0.00, 0.33
HSL	299°, 40%, 47%
HSV	299°, 58%, 67%
XYZ	25.7155, 15.8618, 39.7236
YIQ	111.8760, 25.7580, 50.8300

Conversions

Conversions Part 2

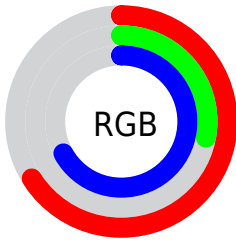
Format	Color
R_{YB}	168, 72, 170
Decimal	11028650
CIE _{Lab}	46.79, 52.73, -34.65
CIE _{LCh}	47, 63.092, 326.693
Yxy	15.8618, 0.3163, 0.1951
Android (android.graphics.Color)	4289218730 (0xFFA848AA)
YUV	111.8760, 28.6551, 49.2207
Hunter-Lab	39.8269, 45.5571, -31.2575

Details

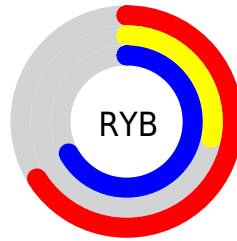
The Yxy color **15.8618, 0.3163, 0.1951** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.6653, 0.3055, 0.5101**, and the grayscale version is **16.0766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4202, 0.3168, 0.2209**, and **5.0121, 0.3126, 0.1547** is the 20% darker color. If you saturate the color by 10%, you get **13.9212, 0.3165, 0.1784**, and if you desaturate by 10%, it is **18.4115, 0.3159, 0.2151**.

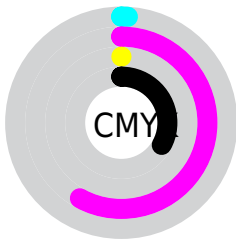
Distribution



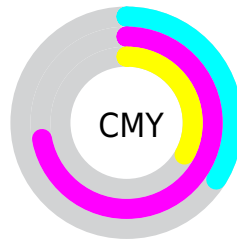
- Red (66%)
- Green (28%)
- Blue (67%)



- Red (66%)
- Yellow (28%)
- Blue (67%)



- Cyan (1%)
- Magenta (58%)
- Yellow (0%)
- Black (33%)




- Cyan (34%)
- Magenta (72%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8618, 0.3163, 0.1951 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 15.8618, 0.3163, 0.1951 by changing the saturation by 10% instead.


 15.8618, 0.3163,
0.1951


 15.8618, 0.3163,
0.1951


228.5248, 0.3172,
0.2649


 9.4264, 0.3148,
0.1773


 36.3581, 0.3175,
0.2209

 5.0203, 0.3120,
0.1544


 51.1878, 0.3176,
0.2305


 2.2592, 0.3065,
0.1246

 69.5845, 0.3177,
0.2385

 0.7520, 0.2949,
0.0848

 91.9324, 0.3177,
0.2454

 0.0000, 0.2778,
0.0000

 118.6160, 0.3176,
0.2513

 0.0000, 0.0000,
0.0000

150.0196, 0.3175,

0.2564

186.5278, 0.3174,
0.2609

■ 15.8618, 0.3163,
0.1951

■ 15.8618, 0.3163,
0.1951

■ 13.9212, 0.3165,
0.1784

■ 18.4115, 0.3159,
0.2151

■ 12.5362, 0.3165,
0.1657

■ 21.6137, 0.3154,
0.2375

■ 11.6475, 0.3163,
0.1571

■ 25.5104, 0.3148,
0.2615

■ 11.1598, 0.3160,
0.1523

■ 30.1395, 0.3141,
0.2862

■ 11.0630, 0.3159,
0.1514

■ 35.5360, 0.3133,
0.3108

■ 41.7328, 0.3125,
0.3346

■ 48.7609, 0.3117,
0.3572

■ 56.6494, 0.3110,
0.3784

■ 65.4263, 0.3102,
0.3980

Harmonies

Analogous

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



15.8618, 0.2097, 0.1637



15.8618, 0.3163, 0.1951



15.8618, 0.4470, 0.2511

Triad

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



15.8618, 0.3163, 0.1951



15.8618, 0.4782, 0.4833



15.8618, 0.1289, 0.2733

Complementary

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



15.8618, 0.3163, 0.1951



30.6653, 0.3055, 0.5101

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.



15.8618, 0.1780, 0.4146



15.8618, 0.3163, 0.1951



15.8618, 0.3785, 0.5549

Square

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



15.8618, 0.3163, 0.1951



15.8618, 0.5433, 0.3982



15.8618, 0.2699, 0.5439



15.8618, 0.1209, 0.1919

Rectangle

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



15.8618, 0.3163, 0.1951



15.8618, 0.5165, 0.2969



15.8618, 0.2699, 0.5439



15.8618, 0.1402, 0.3147

Sweetspot

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



15.8625, 0.3163, 0.1951



54.9879, 0.3141, 0.2870



9.3530, 0.2044, 0.1534



11.8741, 0.3142, 0.2822



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.



15.8625, 0.3163, 0.1951



24.5119, 0.3165, 0.1747



14.6443, 0.3888, 0.2525



7.6587, 0.3134, 0.3067



8.1439, 0.3159, 0.1514



0.2005, 0.3177, 0.1524

Inverse Universe

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



13.6771, 0.4808, 0.3267



20.2009, 0.5397, 0.3268



31.4207, 0.2752, 0.4259



7.5447, 0.3283, 0.3286



6.2932, 0.6373, 0.3284



0.1539, 0.6245, 0.3214

Previews

White Background



This preview shows how the Yxy color 15.8618, 0.3163, 0.1951 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 15.8618, 0.3163, 0.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

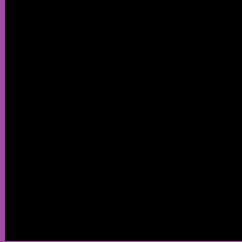
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8618, 0.3163, 0.1951

Background



This preview shows how black text looks on a background with the Yxy color 15.8618, 0.3163, 0.1951.



This preview shows how white text looks on a background with the Yxy color 15.8618, 0.3163, 0.1951.

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

15.8618, 0.3163, 0.1951

Protanopia

16.1607, 0.1967, 0.1735

Deuteranopia

16.1869, 0.2372, 0.2326



Tritanopia

15.7349, 0.4089, 0.3179

Trichromacy



Original Color

15.8618, 0.3163, 0.1951



Protanomaly

14.7708, 0.2235, 0.1740



Deuteranomaly

15.1541, 0.2594, 0.2111



Tritanomaly

15.4773, 0.3737, 0.2664

Monochromacy



Original Color

15.8618, 0.3163, 0.1951



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.1484, 0.3144, 0.2642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8618, 0.3163, 0.1951 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(168, 72, 170)` looks like.

```
.text, #text, p{  
    color:rgb(168, 72, 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(168, 72, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 72, 170) }
```

Border

The CSS property to change the border of an element to Yxy 15.8618, 0.3163, 0.1951 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(168, 72, 170) }
```

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

```
.border{ border-color:rgb(168, 72, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 72, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 72, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 72, 170);  
box-shadow:4px 4px 4px 4px rgb(168, 72,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8618, 0.3163, 0.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 72, 170) }
```

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

```
.background{ background-color: rgb(168, 72,  
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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