

Converting Colors

$Y_{xy}(10.2078, 0.3322, 0.1604)$

Have a look what the booklet for
Yxy(10.2078, 0.3322, 0.1604)
contains.

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Color

Yxy(10.1868, 0.3318, 0.1602)

Conversions

Conversions Part 1

Format	Color
Hex	A3009C
RGB	163, 0, 156
RGB Percent	64%, 0%, 61%
CMY	0.3609, 0.9991, 0.3883
CMYK	0.00, 1.00, 0.04, 0.36
HSL	303°, 100%, 32%
HSV	303°, 100%, 64%
XYZ	21.0985, 10.1868, 32.3027
YIQ	66.5210, 47.0720, 83.0720

Conversions

Conversions Part 2

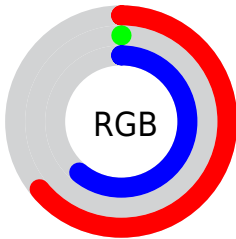
Format	Color
RYB	163, 0, 156
Decimal	10682524
CIELab	38.18, 69.23, -39.98
CIElCh	38, 79.945, 329.991
Yxy	10.1868, 0.3318, 0.1602
Android (android.graphics.Color)	4288872604 (0xFFA3009C)
YUV	66.5210, 44.1131, 84.6121
Hunter-Lab	31.9168, 62.1427, -37.6652

Details

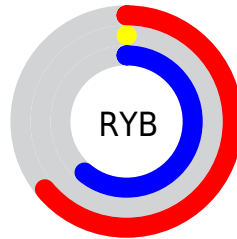
The Yxy color **10.1868, 0.3318, 0.1602** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **26.1982, 0.2991, 0.5967**, and the grayscale version is **5.4769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2673, 0.3314, 0.1939**, and **4.0636, 0.3254, 0.1566** is the 20% darker color. If you saturate the color by 10%, you get **10.1822, 0.3318, 0.1602**, and if you desaturate by 10%, it is **10.5923, 0.3304, 0.1639**.

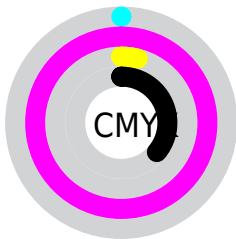
Distribution



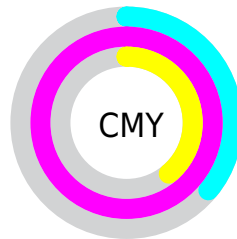
- Red (64%)
- Green (0%)
- Blue (61%)



- Red (64%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1868, 0.3318, 0.1602 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 10.1868, 0.3318, 0.1602 by changing the saturation by 10% instead.


 10.1868, 0.3318,
0.1602


 10.1868, 0.3318,
0.1602


192.0001, 0.3255,
0.2495


 5.5230, 0.3314,
0.1375


 26.1463, 0.3307,
0.1933


 2.5573, 0.3293,
0.1091


 38.2107, 0.3299,
0.2056


 0.9052, 0.3229,
0.0737

 53.5108, 0.3291,
0.2159

 0.0000, 0.3163,
0.0000

 72.4310, 0.3283,
0.2247

 0.0000, 0.2377,
0.0000

 95.3556, 0.3275,
0.2322

 0.0000, 0.0000,
0.0000

 122.6691, 0.3268,

0.2387

154.7558, 0.3262,
0.2444

■ 10.1868, 0.3318,
0.1602

■ 10.1868, 0.3318,
0.1602

■ 10.1822, 0.3318,
0.1602

■ 10.5923, 0.3304,
0.1639

■ 11.3074, 0.3288,
0.1709

■ 12.4597, 0.3269,
0.1820

■ 14.1053, 0.3249,
0.1971

■ 16.2918, 0.3228,
0.2156

■ 19.0614, 0.3206,
0.2367

■ 22.4520, 0.3185,
0.2594

■ 26.4983, 0.3164,
0.2829

■ 31.2324, 0.3145,
0.3064

Harmonies

Analogous

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



10.1868, 0.1845, 0.1208



10.1868, 0.3318, 0.1602



10.1868, 0.5239, 0.2279

Triad

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



10.1868, 0.3318, 0.1602



10.1868, 0.4873, 0.5127



10.1868, 0.0735, 0.2222

Complementary

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



10.1868, 0.3318, 0.1602



26.1982, 0.2991, 0.5967

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.



10.1868, 0.1146, 0.4240



10.1868, 0.3318, 0.1602



10.1868, 0.3512, 0.6488

Square

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



10.1868, 0.3318, 0.1602



10.1868, 0.6043, 0.3957



10.1868, 0.2157, 0.6516



10.1868, 0.0742, 0.1372

Rectangle

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



10.1868, 0.3318, 0.1602



10.1868, 0.6130, 0.2793



10.1868, 0.2157, 0.6516



10.1868, 0.0813, 0.2741

Sweetspot

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



10.1873, 0.3318, 0.1602



39.7735, 0.3186, 0.2578



2.6841, 0.1513, 0.0608



8.3615, 0.3195, 0.2485



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



10.1873, 0.3318, 0.1602



18.2371, 0.3320, 0.1603



8.3114, 0.5076, 0.2571



7.1969, 0.3144, 0.3078



7.9193, 0.3317, 0.1601



0.1679, 0.3275, 0.1578

Inverse Universe

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



10.1873, 0.3318, 0.1602



18.2371, 0.3320, 0.1603



26.8708, 0.2688, 0.4876



7.1969, 0.3144, 0.3078



7.9193, 0.3317, 0.1601



0.1679, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 10.1868, 0.3318, 0.1602 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 10.1868, 0.3318, 0.1602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

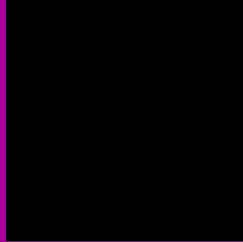
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1868, 0.3318, 0.1602

Background



This preview shows how black text looks on a background with the Yxy color 10.1868, 0.3318, 0.1602.



This preview shows how white text looks on a background with the Yxy color 10.1868, 0.3318, 0.1602.

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

10.1868, 0.3318, 0.1602

Protanopia

10.8189, 0.1744, 0.1479

Deuteranopia

10.9594, 0.2179, 0.2138



Tritanopia

10.5892, 0.4871, 0.3234

Trichromacy



Original Color

10.1868, 0.3318, 0.1602



Protanomaly

7.0304, 0.1849, 0.1160



Deuteranomaly

7.9826, 0.2445, 0.1598



Tritanomaly

9.5010, 0.4335, 0.2446

Monochromacy



Original Color

10.1868, 0.3318, 0.1602



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.4534, 0.3249, 0.2062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1868, 0.3318, 0.1602 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(163, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 156)  
}
```

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(163, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 156) }
```

Border

The CSS property to change the border of an element to Yxy 10.1868, 0.3318, 0.1602 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(163, 0, 156) }
```

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

```
.border{ border-color:rgb(163, 0, 156) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1868, 0.3318, 0.1602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 156) }
```

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

```
.background{ background-color: rgb(163, 0,  
156) }
```

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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