

Converting Colors

$Yxy(15.2212, 0.3192, 0.1672)$

Have a look what the booklet for
Yxy(15.2212, 0.3192, 0.1672)
contains.

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Color

Yxy(15.1839, 0.3190, 0.1670)

Conversions

Conversions Part 1

Format	Color
Hex	B72AB8
RGB	183, 42, 184
RGB Percent	72%, 16%, 72%
CMY	0.2824, 0.8351, 0.2785
CMYK	0.01, 0.77, 0.00, 0.28
HSL	300°, 63%, 44%
HSV	300°, 77%, 72%
XYZ	29.0040, 15.1839, 46.7337
YIQ	100.3470, 38.4540, 74.0540

Conversions

Conversions Part 2

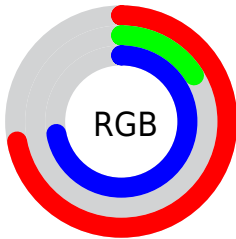
Format	Color
R_{YB}	183, 42, 184
Decimal	12004024
CIE _{Lab}	45.89, 69.88, -44.17
CIE _{LCh}	46, 82.664, 327.705
Yxy	15.1839, 0.3190, 0.1670
Android (android.graphics.Color)	4290194104 (0xFFB72AB8)
YUV	100.3470, 41.2409, 72.4867
Hunter-Lab	38.9665, 64.6716, -43.8316

Details

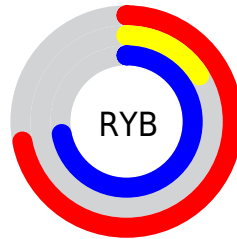
The Yxy color **15.1839, 0.3190, 0.1670** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **34.9507, 0.3018, 0.5686**, and the grayscale version is **12.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1287, 0.3199, 0.1957**, and **6.0473, 0.3135, 0.1501** is the 20% darker color. If you saturate the color by 10%, you get **14.1488, 0.3192, 0.1587**, and if you desaturate by 10%, it is **16.8192, 0.3186, 0.1796**.

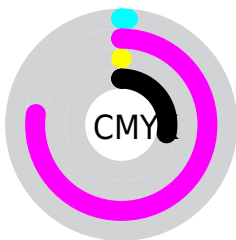
Distribution



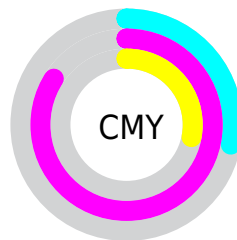
- Red (72%)
- Green (16%)
- Blue (72%)



- Red (72%)
- Yellow (16%)
- Blue (72%)



- Cyan (1%)
- Magenta (77%)
- Yellow (0%)
- Black (28%)





- Cyan (28%)
- Magenta (84%)
- Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1839, 0.3190, 0.1670 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 15.1839, 0.3190, 0.1670 by changing the saturation by 10% instead.


 15.1839, 0.3190,
0.1670


 15.1839, 0.3190,
0.1670


 224.4766, 0.3200,
0.2484


 8.9486, 0.3170,
0.1475


 35.1755, 0.3206,
0.1962


 4.7076, 0.3134,
0.1236


 49.7005, 0.3208,
0.2073

 2.0768, 0.3064,
0.0939


 67.7575, 0.3208,
0.2167

 0.6515, 0.2929,
0.0567

 89.7309, 0.3207,
0.2249

 0.0000, 0.2685,
0.0000

 116.0052, 0.3206,
0.2319

 0.0000, 0.1320,
0.0000

 146.9646, 0.3204,

 0.0000, 0.0000,

0.2381

0.0000

182.9936, 0.3202,
0.2435

■ 15.1839, 0.3190,
0.1670

■ 15.1839, 0.3190,
0.1670

■ 14.1488, 0.3192,
0.1587

■ 16.8192, 0.3186,
0.1796

■ 13.6085, 0.3192,
0.1542

■ 19.1252, 0.3180,
0.1961

■ 13.4902, 0.3192,
0.1532

■ 22.1650, 0.3173,
0.2160

■ 25.9938, 0.3164,
0.2384

■ 30.6615, 0.3155,
0.2625

■ 36.2140, 0.3145,
0.2872

■ 42.6936, 0.3134,
0.3118

■ 50.1402, 0.3124,
0.3357

■ 58.5912, 0.3115,
0.3584

Harmonies

Analogous

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



15.1839, 0.1863, 0.1309



15.1839, 0.3190, 0.1670



15.1839, 0.4933, 0.2310

Triad

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



15.1839, 0.3190, 0.1670



15.1839, 0.4966, 0.5034



15.1839, 0.0885, 0.2437

Complementary

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



15.1839, 0.3190, 0.1670



34.9507, 0.3018, 0.5686

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.



15.1839, 0.1358, 0.4342



15.1839, 0.3190, 0.1670



15.1839, 0.3672, 0.6160

Square

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



15.1839, 0.3190, 0.1670



15.1839, 0.5908, 0.3925



15.1839, 0.2386, 0.6245



15.1839, 0.0851, 0.1542

Rectangle

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



15.1839, 0.3190, 0.1670



15.1839, 0.5815, 0.2816



15.1839, 0.2386, 0.6245



15.1839, 0.0982, 0.2953

Sweetspot

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



15.1846, 0.3190, 0.1670



59.1977, 0.3151, 0.2717



5.7845, 0.1692, 0.0930



12.0206, 0.3155, 0.2629



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



15.1846, 0.3190, 0.1670



24.8725, 0.3192, 0.1551



13.0921, 0.4357, 0.2406



9.1595, 0.3137, 0.3065



9.3019, 0.3192, 0.1532



0.3289, 0.3197, 0.1535

Inverse Universe

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



12.0203, 0.5753, 0.3289



18.9116, 0.6298, 0.3296



35.9021, 0.2698, 0.4626



9.0132, 0.3287, 0.3289



7.0255, 0.6392, 0.3295



0.2480, 0.6355, 0.3274

Previews

White Background



This preview shows how the Yxy color 15.1839, 0.3190, 0.1670 looks on a white background.

Color Contrast Check

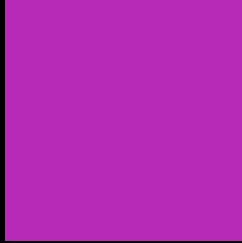
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1839, 0.3190, 0.1670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

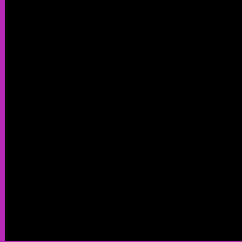
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1839, 0.3190, 0.1670

Background



This preview shows how black text looks on a background with the Yxy color 15.1839, 0.3190, 0.1670.



This preview shows how white text looks on a background with the Yxy color 15.1839, 0.3190, 0.1670.

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

15.1839, 0.3190, 0.1670

Protanopia

15.6899, 0.1741, 0.1468

Deuteranopia

15.6243, 0.2163, 0.2117



Tritanopia

15.1799, 0.4555, 0.3207

Trichromacy



Original Color

15.1839, 0.3190, 0.1670



Protanomaly

11.9833, 0.1866, 0.1322



Deuteranomaly

13.2221, 0.2411, 0.1762



Tritanomaly

14.5317, 0.4037, 0.2511

Monochromacy



Original Color

15.1839, 0.3190, 0.1670



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

11.9765, 0.3156, 0.2348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1839, 0.3190, 0.1670 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(183, 42, 184)` looks like.

```
.text, #text, p{  
    color:rgb(183, 42, 184)  
}
```

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(183, 42, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 42, 184) }
```

Border

The CSS property to change the border of an element to Yxy 15.1839, 0.3190, 0.1670 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(183, 42, 184) }
```

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

```
.border{ border-color:rgb(183, 42, 184) }
```

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

Here you see how a box with a 4 pixel rgb(183, 42, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 42, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 42, 184);  
box-shadow:4px 4px 4px 4px rgb(183, 42,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1839, 0.3190, 0.1670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 42, 184) }
```

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

```
.background{ background-color: rgb(183, 42,  
184) }
```

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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