

Converting Colors

$Y_{xy}(15.8668, 0.3547, 0.1949)$

Have a look what the booklet for
Yxy(15.8668, 0.3547, 0.1949)
contains.

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Color

Yxy(15.8668, 0.3547, 0.1949)

Conversions

Conversions Part 1

Format	Color
Hex	BD33A4
RGB	189, 51, 164
RGB Percent	74%, 20%, 64%
CMY	0.2587, 0.8001, 0.3568
CMYK	0.00, 0.73, 0.13, 0.26
HSL	311°, 58%, 47%
HSV	311°, 73%, 74%
XYZ	28.8761, 15.8668, 36.6670
YIQ	105.1440, 45.9750, 64.3990

Conversions

Conversions Part 2

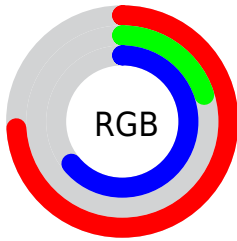
Format	Color
R_{YB}	189, 51, 164
Decimal	12399524
CIE _{Lab}	46.80, 65.44, -30.87
CIE _{LCh}	47, 72.357, 334.745
Yxy	15.8668, 0.3547, 0.1949
Android (android.graphics.Color)	4290589604 (0xFFBD33A4)
YUV	105.1440, 29.0160, 73.5417
Hunter-Lab	39.8332, 59.6914, -26.6942

Details

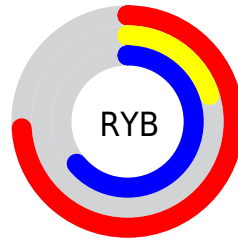
The Yxy color **15.8668, 0.3547, 0.1949** is a dark color, and the websafe version is hex **CC3399**, and the color name is **byzantine**. A complement of this color would be **37.6306, 0.2919, 0.5263**, and the grayscale version is **14.0750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2228, 0.3474, 0.2205**, and **6.0754, 0.3620, 0.1768** is the 20% darker color. If you saturate the color by 10%, you get **14.4172, 0.3617, 0.1868**, and if you desaturate by 10%, it is **17.9923, 0.3477, 0.2072**.

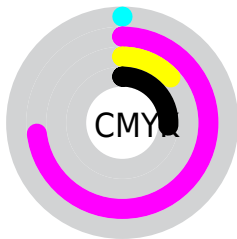
Distribution



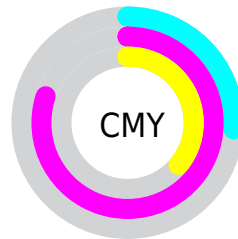
- Red (74%)
- Green (20%)
- Blue (64%)



- Red (74%)
- Yellow (20%)
- Blue (64%)



- Cyan (0%)
- Magenta (73%)
- Yellow (13%)
- Black (26%)





- Cyan (26%)
- Magenta (80%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8668, 0.3547, 0.1949 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 15.8668, 0.3547, 0.1949 by changing the saturation by 10% instead.


 15.8668, 0.3547,
0.1949


 15.8668, 0.3547,
0.1949


228.5544, 0.3340,
0.2645


 9.4299, 0.3595,
0.1772


 36.3668, 0.3474,
0.2206


 5.0227, 0.3653,
0.1546


 51.1988, 0.3446,
0.2301


 2.2606, 0.3720,
0.1250


 69.5979, 0.3421,
0.2381

 0.7527, 0.3794,
0.0856

 91.9485, 0.3401,
0.2450

 0.0000, 0.3978,
0.0000

 118.6351, 0.3383,
0.2509

 0.0000, 0.2688,
0.0000

150.0420, 0.3367,

 0.0000, 0.0000,

0.2560

0.0000

186.5537, 0.3353,
0.2605

■ 15.8668, 0.3547,
0.1949

■ 15.8668, 0.3547,
0.1949

■ 14.4172, 0.3617,
0.1868

■ 17.9923, 0.3477,
0.2072

■ 13.5538, 0.3684,
0.1833

■ 20.8640, 0.3408,
0.2230

■ 13.1810, 0.3729,
0.1828

■ 24.5460, 0.3343,
0.2414

■ 29.0947, 0.3283,
0.2614

■ 34.5618, 0.3229,
0.2822

■ 40.9945, 0.3181,
0.3029

■ 48.4372, 0.3139,
0.3231

■ 56.9311, 0.3103,
0.3423

■ 66.5155, 0.3072,
0.3603

Harmonies

Analogous

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



15.8668, 0.2237, 0.1538



15.8668, 0.3547, 0.1949



15.8668, 0.5016, 0.2598

Triad

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



15.8668, 0.3547, 0.1949



15.8668, 0.4613, 0.5190



15.8668, 0.1046, 0.2316

Complementary

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



15.8668, 0.3547, 0.1949



37.6306, 0.2919, 0.5263

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.



15.8668, 0.1413, 0.3767



15.8668, 0.3547, 0.1949



15.8668, 0.3448, 0.5957

Square

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



15.8668, 0.3547, 0.1949



15.8668, 0.5518, 0.4199



15.8668, 0.2286, 0.5518



15.8668, 0.1073, 0.1624

Rectangle

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



15.8668, 0.3547, 0.1949



15.8668, 0.5646, 0.3095



15.8668, 0.2286, 0.5518



15.8668, 0.1117, 0.2707

Sweetspot

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



15.8676, 0.3547, 0.1949



62.6143, 0.3225, 0.2836



7.4950, 0.1896, 0.1077



12.8525, 0.3239, 0.2780



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.8676, 0.3547, 0.1949



24.7187, 0.3660, 0.1841



14.0497, 0.4760, 0.2749



9.6658, 0.3164, 0.3104



8.8763, 0.3721, 0.1824



0.3556, 0.3578, 0.1745

Inverse Universe

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



15.8676, 0.3547, 0.1949



24.7187, 0.3660, 0.1841



39.0924, 0.2558, 0.4078



9.6658, 0.3164, 0.3104



8.8763, 0.3721, 0.1824



0.3556, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 15.8668, 0.3547, 0.1949 looks on a white background.

Color Contrast Check

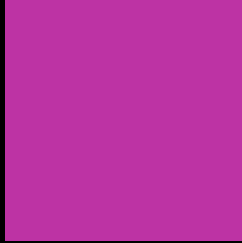
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8668, 0.3547, 0.1949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

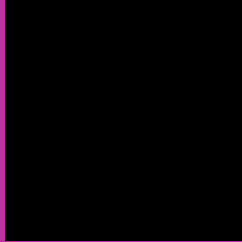
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8668, 0.3547, 0.1949

Background



This preview shows how black text looks on a background with the Yxy color 15.8668, 0.3547, 0.1949.



This preview shows how white text looks on a background with the Yxy color 15.8668, 0.3547, 0.1949.

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

15.8668, 0.3547, 0.1949

Protanopia

16.2861, 0.1880, 0.1625

Deuteranopia

16.0598, 0.2499, 0.2443



Tritanopia

15.8971, 0.4738, 0.3227

Trichromacy



Original Color

15.8668, 0.3547, 0.1949



Protanomaly

13.5813, 0.2189, 0.1587



Deuteranomaly

14.3592, 0.2810, 0.2130



Tritanomaly

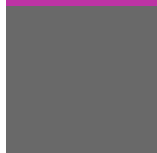
15.4944, 0.4323, 0.2706

Monochromacy



Original Color

15.8668, 0.3547, 0.1949



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.2376, 0.3315, 0.2556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8668, 0.3547, 0.1949 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(189, 51, 164)` looks like.

```
.text, #text, p{  
    color:rgb(189, 51, 164)  
}
```

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(189, 51, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 51, 164) }
```

Border

The CSS property to change the border of an element to Yxy 15.8668, 0.3547, 0.1949 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(189, 51, 164) }
```

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

```
.border{ border-color:rgb(189, 51, 164) }
```

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

Here you see how a box with a 4 pixel rgb(189, 51, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 51, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 51, 164);  
box-shadow:4px 4px 4px 4px rgb(189, 51,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8668, 0.3547, 0.1949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 51, 164) }
```

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

```
.background{ background-color: rgb(189, 51,  
164) }
```

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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