

Converting Colors

$Yxy(16.1045, 0.3457, 0.1895)$

Have a look what the booklet for
Yxy(16.1045, 0.3457, 0.1895)
contains.

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Color

Yxy(16.1771, 0.3457, 0.1898)

Conversions

Conversions Part 1

Format	Color
Hex	BD34AA
RGB	189, 52, 170
RGB Percent	74%, 20%, 67%
CMY	0.2589, 0.7959, 0.3334
CMYK	0.00, 0.72, 0.10, 0.26
HSL	308°, 57%, 47%
HSV	308°, 72%, 74%
XYZ	29.4648, 16.1771, 39.5904
YIQ	106.4150, 43.7740, 65.7420

Conversions

Conversions Part 2

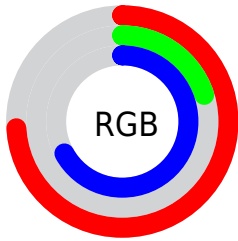
Format	Color
R_{YB}	189, 52, 170
Decimal	12399786
CIE _{Lab}	47.21, 65.96, -33.77
CIE _{LCh}	47, 74.100, 332.885
Yxy	16.1771, 0.3457, 0.1898
Android (android.graphics.Color)	4290589866 (0xFFBD34AA)
YUV	106.4150, 31.3474, 72.4270
Hunter-Lab	40.2208, 60.3787, -30.2063

Details

The Yxy color **16.1771, 0.3457, 0.1898** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **37.5736, 0.2945, 0.5333**, and the grayscale version is **14.4412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8163, 0.3400, 0.2154**, and **6.1899, 0.3509, 0.1707** is the 20% darker color. If you saturate the color by 10%, you get **14.7155, 0.3509, 0.1810**, and if you desaturate by 10%, it is **18.3173, 0.3404, 0.2028**.

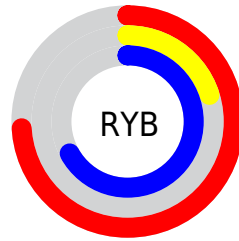
Distribution



Red (74%)

Green (20%)

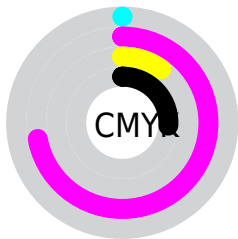
Blue (67%)



Red (74%)

Yellow (20%)

Blue (67%)

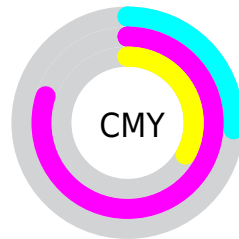


Cyan (0%)

Magenta (72%)

Yellow (10%)

Black (26%)



Cyan (26%)


Magenta (80%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1771, 0.3457, 0.1898 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 16.1771, 0.3457, 0.1898 by changing the saturation by 10% instead.


 16.1771, 0.3457,
0.1898


 16.1771, 0.3457,
0.1898


230.3845, 0.3305,
0.2613

 9.6496, 0.3488,
0.1719


 36.9054, 0.3406,
0.2160


 5.1672, 0.3521,
0.1492


 51.8749, 0.3386,
0.2258


 2.3457, 0.3553,
0.1199


 70.4272, 0.3368,
0.2340

 0.7977, 0.3569,
0.0819

 92.9468, 0.3352,
0.2411

 0.0000, 0.3644,
0.0000

 119.8178, 0.3338,
0.2472

 0.0000, 0.2437,
0.0000

151.4249, 0.3326,

 0.0000, 0.0000,

0.2525

0.0000

188.1523, 0.3315,
0.2572

■ 16.1771, 0.3457,
0.1898

■ 16.1771, 0.3457,
0.1898

■ 14.7155, 0.3509,
0.1810

■ 18.3173, 0.3404,
0.2028

■ 13.8442, 0.3559,
0.1765

■ 21.2058, 0.3351,
0.2194

■ 13.4521, 0.3594,
0.1754

■ 24.9062, 0.3300,
0.2386

■ 29.4746, 0.3252,
0.2595

■ 34.9621, 0.3208,
0.2811

■ 41.4160, 0.3169,
0.3028

■ 48.8803, 0.3135,
0.3239

■ 57.3962, 0.3105,
0.3441

■ 67.0026, 0.3079,
0.3630

Harmonies

Analogous

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



16.1771, 0.2158, 0.1502



16.1771, 0.3457, 0.1898



16.1771, 0.4967, 0.2541

Triad

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



16.1771, 0.3457, 0.1898



16.1771, 0.4691, 0.5144



16.1771, 0.1032, 0.2363

Complementary

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



16.1771, 0.3457, 0.1898



37.5736, 0.2945, 0.5333

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.



16.1771, 0.1428, 0.3888



16.1771, 0.3457, 0.1898



16.1771, 0.3515, 0.5972

Square

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



16.1771, 0.3457, 0.1898



16.1771, 0.5585, 0.4138



16.1771, 0.2336, 0.5645



16.1771, 0.1040, 0.1628

Rectangle

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



16.1771, 0.3457, 0.1898



16.1771, 0.5646, 0.3037



16.1771, 0.2336, 0.5645



16.1771, 0.1111, 0.2777

Sweetspot

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



16.1779, 0.3457, 0.1898



62.7473, 0.3208, 0.2814



7.4466, 0.1870, 0.1075



12.8844, 0.3219, 0.2755



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.



16.1779, 0.3457, 0.1898



25.3193, 0.3539, 0.1778



14.2407, 0.4650, 0.2689



9.6729, 0.3158, 0.3095



9.0615, 0.3589, 0.1751



0.3613, 0.3485, 0.1693

Inverse Universe

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



16.1779, 0.3457, 0.1898



25.3193, 0.3539, 0.1778



38.9755, 0.2585, 0.4155



9.6729, 0.3158, 0.3095



9.0615, 0.3589, 0.1751



0.3613, 0.3485, 0.1693

Previews

White Background



This preview shows how the Yxy color 16.1771, 0.3457, 0.1898 looks on a white background.

Color Contrast Check

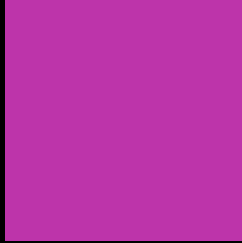
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1771, 0.3457, 0.1898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

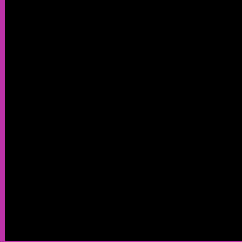
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1771, 0.3457, 0.1898

Background



This preview shows how black text looks on a background with the Yxy color 16.1771, 0.3457, 0.1898.



This preview shows how white text looks on a background with the Yxy color 16.1771, 0.3457, 0.1898.

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

16.1771, 0.3457, 0.1898

Protanopia

16.6625, 0.1836, 0.1571

Deuteranopia

16.5412, 0.2427, 0.2383



Tritanopia

16.0965, 0.4676, 0.3226

Trichromacy



Original Color

16.1771, 0.3457, 0.1898



Protanomaly

13.7851, 0.2111, 0.1525



Deuteranomaly

14.6598, 0.2734, 0.2065



Tritanomaly

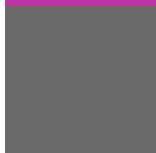
15.7086, 0.4228, 0.2670

Monochromacy



Original Color

16.1771, 0.3457, 0.1898



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.4748, 0.3268, 0.2525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1771, 0.3457, 0.1898 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, 52, 170)` looks like.

```
.text, #text, p{  
    color:rgb(189, 52, 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(189, 52, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 52, 170) }
```

Border

The CSS property to change the border of an element to Yxy 16.1771, 0.3457, 0.1898 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, 52, 170) }
```

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

```
.border{ border-color:rgb(189, 52, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 52, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 52, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 52, 170);  
box-shadow:4px 4px 4px 4px rgb(189, 52,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1771, 0.3457, 0.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 52, 170) }
```

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

```
.background{ background-color: rgb(189, 52,  
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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