

Converting Colors

$Yxy(16.2423, 0.3051, 0.1687)$

Have a look what the booklet for
Yxy(16.2423, 0.3051, 0.1687)
contains.

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Color

Yxy(16.2715, 0.3049, 0.1684)

Conversions

Conversions Part 1

Format	Color
Hex	B339BF
RGB	179, 57, 191
RGB Percent	70%, 22%, 75%
CMY	0.2980, 0.7765, 0.2509
CMYK	0.06, 0.70, 0.00, 0.25
HSL	295°, 54%, 49%
HSV	295°, 70%, 75%
XYZ	29.4607, 16.2715, 50.8919
YIQ	108.7540, 29.6980, 67.5380

Conversions

Conversions Part 2

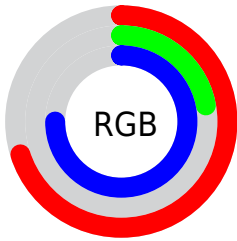
Format	Color
R_{YB}	179, 57, 191
Decimal	11745727
CIE _{Lab}	47.33, 65.41, -46.02
CIE _{LCh}	47, 79.981, 324.869
Yxy	16.2715, 0.3049, 0.1684
Android (android.graphics.Color)	4289935807 (0xFFB339BF)
YUV	108.7540, 40.5473, 61.6057
Hunter-Lab	40.3379, 59.7755, -46.5660

Details

The Yxy color **16.2715, 0.3049, 0.1684** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **38.8327, 0.3080, 0.5479**, and the grayscale version is **15.0956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2159, 0.3095, 0.1975**, and **5.9437, 0.2941, 0.1394** is the 20% darker color. If you saturate the color by 10%, you get **14.5233, 0.3028, 0.1554**, and if you desaturate by 10%, it is **18.7338, 0.3068, 0.1855**.

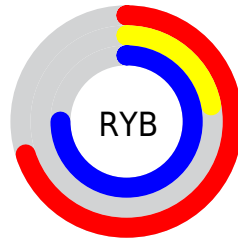
Distribution



Red (70%)

Green (22%)

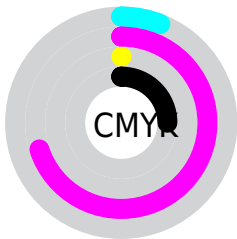
Blue (75%)



Red (70%)

Yellow (22%)

Blue (75%)

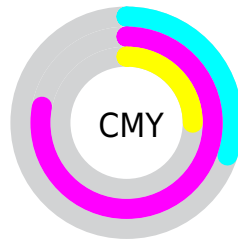


Cyan (6%)

Magenta (70%)

Yellow (0%)

Black (25%)



Cyan (30%)


Magenta (78%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2715, 0.3049, 0.1684 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 16.2715, 0.3049, 0.1684 by changing the saturation by 10% instead.


 16.2715, 0.3049,
0.1684


 16.2715, 0.3049,
0.1684


230.9385, 0.3135,
0.2485


 9.7165, 0.3010,
0.1494


 37.0689, 0.3093,
0.1970


 5.2114, 0.2948,
0.1260


 52.0801, 0.3106,
0.2079

 2.3718, 0.2847,
0.0972


 70.6787, 0.3115,
0.2172

 0.8113, 0.2670,
0.0623

 93.2493, 0.3121,
0.2253

 0.0000, 0.2397,
0.0000

 120.1762, 0.3126,
0.2322

 0.0000, 0.1225,
0.0000

151.8437, 0.3130,

 0.0000, 0.0000,

0.2383

0.0000

188.6364, 0.3133,
0.2437

■ 16.2715, 0.3049,
0.1684

■ 16.2715, 0.3049,
0.1684

■ 14.5233, 0.3028,
0.1554

■ 18.7338, 0.3068,
0.1855

■ 13.4026, 0.3006,
0.1468

■ 21.9794, 0.3084,
0.2060

■ 12.7498, 0.2984,
0.1418

■ 26.0719, 0.3098,
0.2291

■ 31.0677, 0.3109,
0.2538

■ 37.0182, 0.3117,
0.2791

■ 43.9710, 0.3123,
0.3042

■ 51.9707, 0.3127,
0.3286

■ 61.0591, 0.3129,
0.3517

■ 71.2755, 0.3130,
0.3733

Harmonies

Analogous

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



16.2715, 0.1828, 0.1357



16.2715, 0.3049, 0.1684



16.2715, 0.4693, 0.2290

Triad

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



16.2715, 0.3049, 0.1684



16.2715, 0.5046, 0.4913



16.2715, 0.0986, 0.2623

Complementary

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



16.2715, 0.3049, 0.1684



38.8327, 0.3080, 0.5479

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.



16.2715, 0.1516, 0.4492



16.2715, 0.3049, 0.1684



16.2715, 0.3815, 0.5954

Square

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



16.2715, 0.3049, 0.1684



16.2715, 0.5863, 0.3865



16.2715, 0.2566, 0.6140



16.2715, 0.0911, 0.1667

Rectangle

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



16.2715, 0.3049, 0.1684



16.2715, 0.5592, 0.2785



16.2715, 0.2566, 0.6140



16.2715, 0.1102, 0.3149

Sweetspot

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



16.2722, 0.3049, 0.1684



64.9498, 0.3117, 0.2761



9.0614, 0.1830, 0.1246



13.5823, 0.3114, 0.2690



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



16.2722, 0.3049, 0.1684



24.8387, 0.3017, 0.1504



15.8223, 0.4000, 0.2302



9.6516, 0.3124, 0.3063



8.3948, 0.2987, 0.1419



0.3417, 0.3044, 0.1450

Inverse Universe

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



14.4341, 0.5268, 0.3164



21.6346, 0.5905, 0.3194



39.2806, 0.2767, 0.4691



9.5499, 0.3275, 0.3270



7.3114, 0.6284, 0.3236



0.2911, 0.5892, 0.3019

Previews

White Background



This preview shows how the Yxy color 16.2715, 0.3049, 0.1684 looks on a white background.

Color Contrast Check

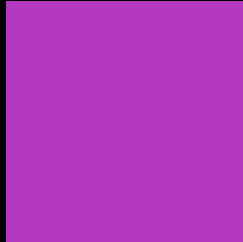
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2715, 0.3049, 0.1684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

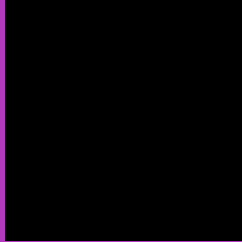
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2715, 0.3049, 0.1684

Background



This preview shows how black text looks on a background with the Yxy color 16.2715, 0.3049, 0.1684.



This preview shows how white text looks on a background with the Yxy color 16.2715, 0.3049, 0.1684.

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

16.2715, 0.3049, 0.1684

Protanopia

16.7068, 0.1739, 0.1461

Deuteranopia

16.5654, 0.2124, 0.2067



Tritanopia

16.2048, 0.4249, 0.3185

Trichromacy



Original Color

16.2715, 0.3049, 0.1684



Protanomaly

13.3940, 0.1856, 0.1364



Deuteranomaly

14.7110, 0.2354, 0.1801



Tritanomaly

15.6044, 0.3774, 0.2501

Monochromacy



Original Color

16.2715, 0.3049, 0.1684



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.2447, 0.3096, 0.2430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2715, 0.3049, 0.1684 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(179, 57, 191)` looks like.

```
.text, #text, p{  
    color:rgb(179, 57, 191)  
}
```

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(179, 57, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 57, 191) }
```

Border

The CSS property to change the border of an element to Yxy 16.2715, 0.3049, 0.1684 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(179, 57, 191) }
```

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

```
.border{ border-color:rgb(179, 57, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 57, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 57, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 57, 191);  
box-shadow:4px 4px 4px 4px rgb(179, 57,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2715, 0.3049, 0.1684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 57, 191) }
```

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

```
.background{ background-color: rgb(179, 57,  
191) }
```

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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