

Converting Colors

$Y_{xy}(16.2892, 0.2916, 0.1606)$

Have a look what the booklet for
Yxy(16.2892, 0.2916, 0.1606)
contains.

Yxy(16.2636, 0.2910, 0.1604)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.2636, 0.2910, 0.1604)

Conversions

Conversions Part 1

Format	Color
Hex	AF3AC7
RGB	175, 58, 199
RGB Percent	69%, 23%, 78%
CMY	0.3136, 0.7726, 0.2196
CMYK	0.12, 0.71, 0.00, 0.22
HSL	290°, 56%, 50%
HSV	290°, 71%, 78%
XYZ	29.5057, 16.2636, 55.6248
YIQ	109.0570, 24.4710, 68.6550

Conversions

Conversions Part 2

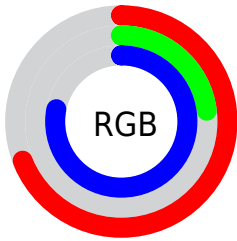
Format	Color
R _{YB}	175, 58, 199
Decimal	11483847
CIE _{Lab}	47.32, 65.63, -50.71
CIE _{LCh}	47, 82.938, 322.306
Yxy	16.2636, 0.2910, 0.1604
Android (android.graphics.Color)	4289673927 (0xFFAF3AC7)
YUV	109.0570, 44.3419, 57.8320
Hunter-Lab	40.3282, 60.0233, -53.5492

Details

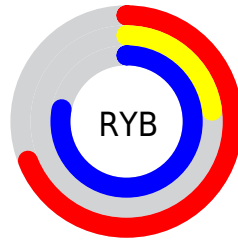
The Yxy color **16.2636, 0.2910, 0.1604** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **42.9506, 0.3138, 0.5464**, and the grayscale version is **15.1746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9739, 0.2999, 0.1908**, and **5.8652, 0.2765, 0.1297** is the 20% darker color. If you saturate the color by 10%, you get **14.2447, 0.2866, 0.1461**, and if you desaturate by 10%, it is **19.0687, 0.2953, 0.1789**.

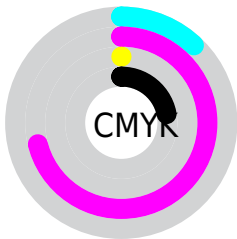
Distribution



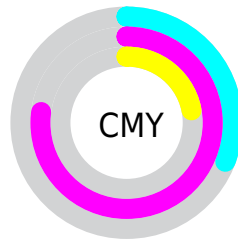
- Red (69%)
- Green (23%)
- Blue (78%)



- Red (69%)
- Yellow (23%)
- Blue (78%)



- Cyan (12%)
- Magenta (71%)
- Yellow (0%)
- Black (22%)





- Cyan (31%)
- Magenta (77%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2636, 0.2910, 0.1604 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 16.2636, 0.2910, 0.1604 by changing the saturation by 10% instead.

 16.2636, 0.2910,
0.1604


 16.2636, 0.2910,
0.1604

230.8922, 0.3075,
0.2435

 9.7109, 0.2849,
0.1411


 37.0552, 0.2984,
0.1898


 5.2077, 0.2760,
0.1176


 52.0629, 0.3008,
0.2011

 2.3696, 0.2623,
0.0892


 70.6577, 0.3026,
0.2108

 0.8102, 0.2401,
0.0558

 93.2240, 0.3040,
0.2191

 0.0000, 0.2065,
0.0000

 120.1462, 0.3052,
0.2264

 0.0000, 0.0986,
0.0000

151.8087, 0.3061,

 0.0000, 0.0000,

0.2328

0.0000

188.5959, 0.3069,
0.2385

■ 16.2636, 0.2910,
0.1604

■ 16.2636, 0.2910,
0.1604

■ 14.2447, 0.2866,
0.1461

■ 19.0687, 0.2953,
0.1789

■ 12.9148, 0.2821,
0.1363

■ 22.7379, 0.2993,
0.2007

■ 12.1407, 0.2780,
0.1305

■ 27.3420, 0.3028,
0.2250

■ 32.9440, 0.3060,
0.2506

■ 39.6013, 0.3086,
0.2767

■ 47.3667, 0.3108,
0.3023

■ 56.2898, 0.3126,
0.3269

■ 66.4169, 0.3140,
0.3501

■ 77.7920, 0.3150,
0.3717

Harmonies

Analogous

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



16.2636, 0.1714, 0.1299



16.2636, 0.2910, 0.1604



16.2636, 0.4602, 0.2198

Triad

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



16.2636, 0.2910, 0.1604



16.2636, 0.5172, 0.4828



16.2636, 0.0959, 0.2716

Complementary

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



16.2636, 0.2910, 0.1604



42.9506, 0.3138, 0.5464

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.



16.2636, 0.1535, 0.4731



16.2636, 0.2910, 0.1604



16.2636, 0.3920, 0.5956

Square

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



16.2636, 0.2910, 0.1604



16.2636, 0.5972, 0.3768



16.2636, 0.2630, 0.6315



16.2636, 0.0857, 0.1672

Rectangle

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



16.2636, 0.2910, 0.1604



16.2636, 0.5582, 0.2692



16.2636, 0.2630, 0.6315



16.2636, 0.1087, 0.3291

Sweetspot

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



16.2643, 0.2910, 0.1604



68.7765, 0.3085, 0.2755



11.3376, 0.1856, 0.1383



13.9861, 0.3078, 0.2682



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



16.2643, 0.2910, 0.1604



23.5477, 0.2841, 0.1403



17.5124, 0.3822, 0.2164



10.7218, 0.3111, 0.3060



7.8389, 0.2786, 0.1308



0.3960, 0.2880, 0.1360

Inverse Universe

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



15.7762, 0.5115, 0.3035



23.1719, 0.5742, 0.3079



42.7238, 0.2827, 0.4910



10.6659, 0.3263, 0.3251



7.8904, 0.6131, 0.3151



0.3830, 0.5591, 0.2854

Previews

White Background



This preview shows how the Yxy color 16.2636, 0.2910, 0.1604 looks on a white background.

Color Contrast Check

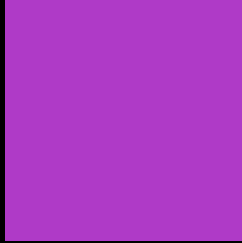
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2636, 0.2910, 0.1604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

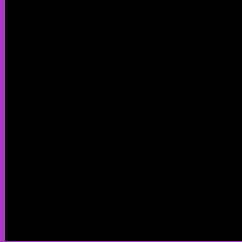
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2636, 0.2910, 0.1604

Background



This preview shows how black text looks on a background with the Yxy color 16.2636, 0.2910, 0.1604.



This preview shows how white text looks on a background with the Yxy color 16.2636, 0.2910, 0.1604.

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

16.2636, 0.2910, 0.1604

Protanopia

16.7068, 0.1739, 0.1461

Deuteranopia

16.6821, 0.2018, 0.1967



Tritanopia

16.2365, 0.4110, 0.3181

Trichromacy



Original Color

16.2636, 0.2910, 0.1604



Protanomaly

13.5168, 0.1842, 0.1342



Deuteranomaly

14.6224, 0.2212, 0.1702



Tritanomaly

15.7021, 0.3644, 0.2468

Monochromacy



Original Color

16.2636, 0.2910, 0.1604



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.2519, 0.3043, 0.2381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2636, 0.2910, 0.1604 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(175, 58, 199)` looks like.

```
.text, #text, p{  
    color:rgb(175, 58, 199)  
}
```

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(175, 58, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 58, 199) }
```

Border

The CSS property to change the border of an element to Yxy 16.2636, 0.2910, 0.1604 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(175, 58, 199) }
```

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

```
.border{ border-color:rgb(175, 58, 199) }
```

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

Here you see how a box with a 4 pixel rgb(175, 58, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 58, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 58, 199);  
box-shadow:4px 4px 4px 4px rgb(175, 58,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2636, 0.2910, 0.1604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 58, 199) }
```

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

```
.background{ background-color: rgb(175, 58,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor