

Converting Colors

$Y_{xy}(16.2555, 0.3059, 0.1942)$

Have a look what the booklet for
Yxy(16.2555, 0.3059, 0.1942)
contains.

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Color

Yxy(16.2563, 0.3059, 0.1942)

Conversions

Conversions Part 1

Format	Color
Hex	A44DAE
RGB	164, 77, 174
RGB Percent	64%, 30%, 68%
CMY	0.3568, 0.6981, 0.3175
CMYK	0.06, 0.56, 0.00, 0.32
HSL	294°, 39%, 49%
HSV	294°, 56%, 68%
XYZ	25.6066, 16.2563, 41.8462
YIQ	114.0710, 20.7150, 48.6110

Conversions

Conversions Part 2

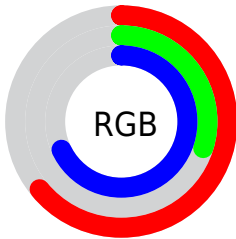
Format	Color
R_{YB}	164, 77, 174
Decimal	10767790
CIE Lab	47.31, 50.05, -36.26
CIE LCh	47, 61.799, 324.078
Yxy	16.2563, 0.3059, 0.1942
Android (android.graphics.Color)	4288957870 (0xFFA44DAE)
YUV	114.0710, 29.5450, 43.7877
Hunter-Lab	40.3191, 42.8067, -33.3122

Details

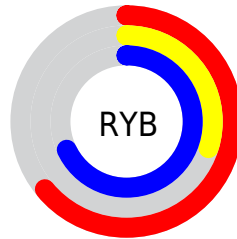
The Yxy color **16.2563, 0.3059, 0.1942** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **32.8452, 0.3114, 0.5011**, and the grayscale version is **16.7547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0506, 0.3093, 0.2200**, and **5.1680, 0.2970, 0.1531** is the 20% darker color. If you saturate the color by 10%, you get **13.9493, 0.3037, 0.1752**, and if you desaturate by 10%, it is **19.2188, 0.3078, 0.2162**.

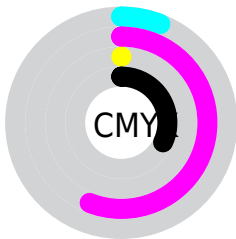
Distribution



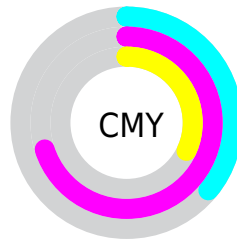
- Red (64%)
- Green (30%)
- Blue (68%)



- Red (64%)
- Yellow (30%)
- Blue (68%)



- Cyan (6%)
- Magenta (56%)
- Yellow (0%)
- Black (32%)




- Cyan (36%)
- Magenta (70%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2563, 0.3059, 0.1942 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 16.2563, 0.3059, 0.1942 by changing the saturation by 10% instead.


 16.2563, 0.3059,
0.1942

 16.2563, 0.3059,
0.1942


230.8494, 0.3127,
0.2642


 9.7057, 0.3028,
0.1764


 37.0426, 0.3093,
0.2200


 5.2043, 0.2978,
0.1537


 52.0471, 0.3103,
0.2296


 2.3676, 0.2893,
0.1241

 70.6383, 0.3110,
0.2377

 0.8091, 0.2734,
0.0853

 93.2006, 0.3115,
0.2446

 0.0000, 0.2502,
0.0000

 120.1185, 0.3119,
0.2505

 0.0000, 0.0000,
0.0000

151.7764, 0.3122,

0.2557

188.5585, 0.3125,
0.2602

■ 16.2563, 0.3059,
0.1942

■ 16.2563, 0.3059,
0.1942

■ 13.9493, 0.3037,
0.1752

■ 19.2188, 0.3078,
0.2162

■ 12.2425, 0.3014,
0.1600

■ 22.8820, 0.3094,
0.2402

■ 11.0748, 0.2989,
0.1490

■ 27.2897, 0.3107,
0.2652

■ 10.3671, 0.2963,
0.1422

■ 32.4813, 0.3117,
0.2905

■ 10.1305, 0.2952,
0.1400

■ 38.4936, 0.3124,
0.3152

■ 45.3610, 0.3129,
0.3389

■ 53.1159, 0.3132,
0.3612

■ 61.7892, 0.3134,
0.3819

■ 71.4099, 0.3134,
0.4009

Harmonies

Analogous

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



16.2563, 0.2052, 0.1656



16.2563, 0.3059, 0.1942



16.2563, 0.4328, 0.2476

Triad

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



16.2563, 0.3059, 0.1942



16.2563, 0.4829, 0.4741



16.2563, 0.1353, 0.2853

Complementary

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



16.2563, 0.3059, 0.1942



32.8452, 0.3114, 0.5011

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.



16.2563, 0.1880, 0.4254



16.2563, 0.3059, 0.1942



16.2563, 0.3876, 0.5454

Square

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



16.2563, 0.3059, 0.1942



16.2563, 0.5409, 0.3914



16.2563, 0.2810, 0.5429



16.2563, 0.1240, 0.2001

Rectangle

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



16.2563, 0.3059, 0.1942



16.2563, 0.5039, 0.2922



16.2563, 0.2810, 0.5429



16.2563, 0.1478, 0.3273

Sweetspot

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



16.2570, 0.3059, 0.1942



57.3499, 0.3115, 0.2866



11.6656, 0.2108, 0.1730



12.3215, 0.3113, 0.2817



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



16.2570, 0.3059, 0.1942



24.4465, 0.3032, 0.1712



16.1098, 0.3722, 0.2436



8.1054, 0.3122, 0.3065



7.3603, 0.2955, 0.1401



0.2165, 0.3037, 0.1447

Inverse Universe

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



14.9969, 0.4588, 0.3151



22.0889, 0.5127, 0.3142



33.0793, 0.2812, 0.4377



8.0283, 0.3271, 0.3267



6.5628, 0.6256, 0.3220



0.1868, 0.5735, 0.2933

Previews

White Background



This preview shows how the Yxy color 16.2563, 0.3059, 0.1942 looks on a white background.

Color Contrast Check

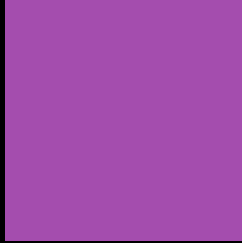
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2563, 0.3059, 0.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

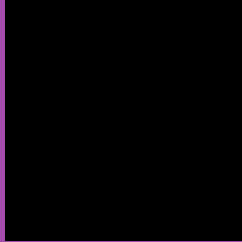
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2563, 0.3059, 0.1942

Background



This preview shows how black text looks on a background with the Yxy color 16.2563, 0.3059, 0.1942.



This preview shows how white text looks on a background with the Yxy color 16.2563, 0.3059, 0.1942.

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

16.2563, 0.3059, 0.1942

Protanopia

16.7048, 0.1981, 0.1761

Deuteranopia

16.4902, 0.2322, 0.2268



Tritanopia

16.3136, 0.3921, 0.3175

Trichromacy



Original Color

16.2563, 0.3059, 0.1942



Protanomaly

15.4104, 0.2231, 0.1766



Deuteranomaly

15.5390, 0.2540, 0.2086



Tritanomaly

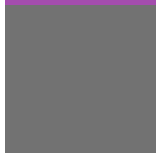
15.9988, 0.3585, 0.2651

Monochromacy



Original Color

16.2563, 0.3059, 0.1942



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.9905, 0.3102, 0.2665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2563, 0.3059, 0.1942 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(164, 77, 174)` looks like.

```
.text, #text, p{  
    color:rgb(164, 77, 174)  
}
```

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(164, 77, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 77, 174) }
```

Border

The CSS property to change the border of an element to Yxy 16.2563, 0.3059, 0.1942 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(164, 77, 174) }
```

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

```
.border{ border-color:rgb(164, 77, 174) }
```

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

Here you see how a box with a 4 pixel rgb(164, 77, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 77, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 77, 174);  
box-shadow:4px 4px 4px 4px rgb(164, 77,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2563, 0.3059, 0.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 77, 174) }
```

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

```
.background{ background-color: rgb(164, 77,  
174) }
```

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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