

Converting Colors

$Y_{xy}(16.8609, 0.3027, 0.1950)$

Have a look what the booklet for
Yxy(16.8609, 0.3027, 0.1950)
contains.

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Color

Yxy(16.8042, 0.3023, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	A450B1
RGB	164, 80, 177
RGB Percent	64%, 31%, 69%
CMY	0.3568, 0.6863, 0.3058
CMYK	0.07, 0.55, 0.00, 0.31
HSL	292°, 38%, 50%
HSV	292°, 55%, 69%
XYZ	26.1178, 16.8042, 43.4749
YIQ	116.1740, 18.9270, 47.9750

Conversions

Conversions Part 2

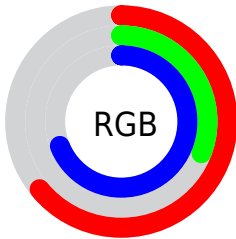
Format	Color
R_{YB}	164, 80, 177
Decimal	10768561
CIE _{Lab}	48.01, 49.15, -36.91
CIE _{LCh}	48, 61.463, 323.096
Yxy	16.8042, 0.3023, 0.1945
Android (android.graphics.Color)	4288958641 (0xFFA450B1)
YUV	116.1740, 29.9872, 41.9434
Hunter-Lab	40.9929, 41.9899, -34.1848

Details

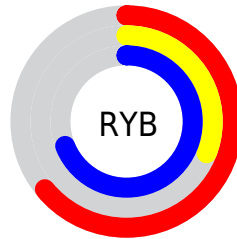
The Yxy color **16.8042, 0.3023, 0.1945** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34.3607, 0.3138, 0.4971**, and the grayscale version is **17.4230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0304, 0.3066, 0.2204**, and **5.5090, 0.2938, 0.1551** is the 20% darker color. If you saturate the color by 10%, you get **14.2954, 0.2993, 0.1746**, and if you desaturate by 10%, it is **20.0020, 0.3050, 0.2172**.

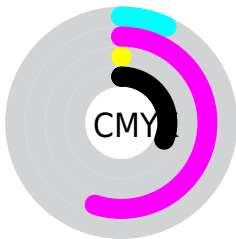
Distribution



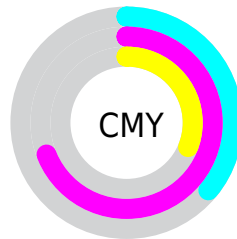
- Red (64%)
- Green (31%)
- Blue (69%)



- Red (64%)
- Yellow (31%)
- Blue (69%)



- Cyan (7%)
- Magenta (55%)
- Yellow (0%)
- Black (31%)




- Cyan (36%)
- Magenta (69%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8042, 0.3023, 0.1945 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 16.8042, 0.3023, 0.1945 by changing the saturation by 10% instead.


 16.8042, 0.3023,
0.1945


 16.8042, 0.3023,
0.1945


234.0415, 0.3110,
0.2641


 10.0950, 0.2987,
0.1769


 37.9888, 0.3065,
0.2201

 5.4620, 0.2931,
0.1545


 53.2330, 0.3077,
0.2296


 2.5208, 0.2838,
0.1254

 72.0910, 0.3086,
0.2377

 0.8870, 0.2671,
0.0876

 94.9472, 0.3094,
0.2445

 0.0000, 0.2439,
0.0000

 122.1859, 0.3099,
0.2504

 0.0000, 0.0000,
0.0000

154.1916, 0.3104,

0.2556

191.3487, 0.3107,
0.2601

■ 16.8042, 0.3023,
0.1945

■ 16.8042, 0.3023,
0.1945

■ 14.2954, 0.2993,
0.1746

■ 20.0020, 0.3050,
0.2172

■ 12.4184, 0.2960,
0.1584

■ 23.9356, 0.3074,
0.2418

■ 11.1107, 0.2926,
0.1464

■ 28.6502, 0.3093,
0.2673

■ 10.2952, 0.2892,
0.1387

■ 34.1866, 0.3110,
0.2927

■ 9.9752, 0.2874,
0.1357

■ 40.5831, 0.3122,
0.3175

■ 47.8752, 0.3132,
0.3411

■ 56.0966, 0.3139,
0.3632

■ 65.2792, 0.3143,
0.3836

■ 75.4534, 0.3146,
0.4024

Harmonies

Analogous

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



16.8042, 0.2041, 0.1670



16.8042, 0.3023, 0.1945



16.8042, 0.4270, 0.2467

Triad

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



16.8042, 0.3023, 0.1945



16.8042, 0.4839, 0.4703



16.8042, 0.1386, 0.2901

Complementary

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



16.8042, 0.3023, 0.1945



34.3607, 0.3138, 0.4971

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.



16.8042, 0.1924, 0.4285



16.8042, 0.3023, 0.1945



16.8042, 0.3908, 0.5409

Square

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



16.8042, 0.3023, 0.1945



16.8042, 0.5388, 0.3890



16.8042, 0.2854, 0.5409



16.8042, 0.1259, 0.2039

Rectangle

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



16.8042, 0.3023, 0.1945



16.8042, 0.4981, 0.2907



16.8042, 0.2854, 0.5409



16.8042, 0.1515, 0.3321

Sweetspot

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



16.8049, 0.3023, 0.1945



59.6672, 0.3107, 0.2890



12.9832, 0.2137, 0.1814



12.4849, 0.3104, 0.2839



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.



16.8049, 0.3023, 0.1945



24.7205, 0.2985, 0.1705



17.0711, 0.3659, 0.2405



8.5878, 0.3117, 0.3064



7.2442, 0.2878, 0.1359



0.2438, 0.2976, 0.1413

Inverse Universe

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



15.8764, 0.4500, 0.3109



23.0818, 0.5014, 0.3093



34.3732, 0.2836, 0.4417



8.5232, 0.3267, 0.3260



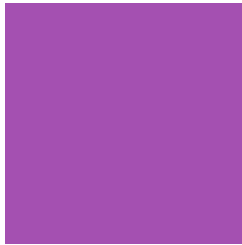
6.8247, 0.6201, 0.3190



0.2206, 0.5607, 0.2862

Previews

White Background



This preview shows how the Yxy color 16.8042, 0.3023, 0.1945 looks on a white background.

Color Contrast Check

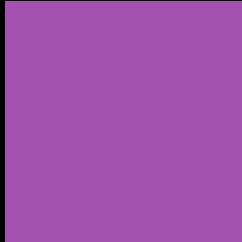
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8042, 0.3023, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

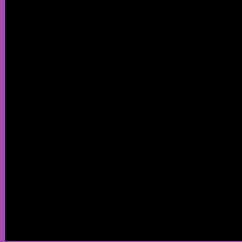
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8042, 0.3023, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 16.8042, 0.3023, 0.1945.



This preview shows how white text looks on a background with the Yxy color 16.8042, 0.3023, 0.1945.

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

16.8042, 0.3023, 0.1945

Protanopia

17.0903, 0.1987, 0.1761

Deuteranopia

17.0987, 0.2316, 0.2265



Tritanopia

16.7445, 0.3864, 0.3158

Trichromacy



Original Color

16.8042, 0.3023, 0.1945



Protanomaly

15.9975, 0.2241, 0.1782



Deuteranomaly

16.2329, 0.2520, 0.2098



Tritanomaly

16.4172, 0.3534, 0.2637

Monochromacy



Original Color

16.8042, 0.3023, 0.1945



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.5220, 0.3089, 0.2671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8042, 0.3023, 0.1945 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, 80, 177)` looks like.

```
.text, #text, p{  
    color:rgb(164, 80, 177)  
}
```

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, 80, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 80, 177) }
```

Border

The CSS property to change the border of an element to Yxy 16.8042, 0.3023, 0.1945 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, 80, 177) }
```

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

```
.border{ border-color:rgb(164, 80, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 80, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 80, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 80, 177);  
box-shadow:4px 4px 4px 4px rgb(164, 80,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8042, 0.3023, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 80, 177) }
```

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

```
.background{ background-color: rgb(164, 80,  
177) }
```

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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