

Converting Colors

$Y_{xy}(16.5418, 0.3001, 0.2103)$

Have a look what the booklet for
Yxy(16.5418, 0.3001, 0.2103)
contains.

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Color

Yxy(16.5418, 0.3001, 0.2103)

Conversions

Conversions Part 1

Format	Color
Hex	9958A7
RGB	153, 88, 167
RGB Percent	60%, 35%, 65%
CMY	0.3999, 0.6549, 0.3451
CMYK	0.08, 0.47, 0.00, 0.35
HSL	289°, 31%, 50%
HSV	289°, 47%, 65%
XYZ	23.6053, 16.5418, 38.5110
YIQ	116.4410, 13.3810, 38.3490

Conversions

Conversions Part 2

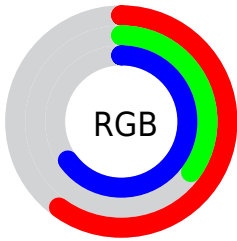
Format	Color
R _Y B	153, 88, 167
Decimal	10049703
CIE Lab	47.68, 39.82, -31.65
CIE LCh	48, 50.863, 321.517
Yxy	16.5418, 0.3001, 0.2103
Android (android.graphics.Color)	4288239783 (0xFF9958A7)
YUV	116.4410, 24.9256, 32.0622
Hunter-Lab	40.6716, 32.4239, -27.6702

Details

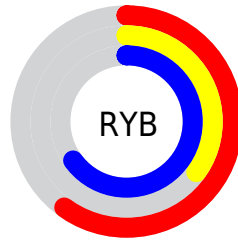
The Yxy color **16.5418, 0.3001, 0.2103** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **31.1674, 0.3173, 0.4697**, and the grayscale version is **17.5265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5854, 0.3049, 0.2346**, and **5.3334, 0.2903, 0.1712** is the 20% darker color. If you saturate the color by 10%, you get **13.8240, 0.2961, 0.1875**, and if you desaturate by 10%, it is **19.8961, 0.3036, 0.2351**.

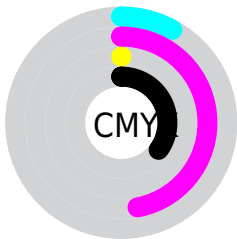
Distribution



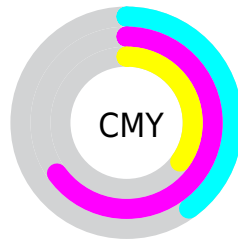
- Red (60%)
- Green (35%)
- Blue (65%)



- Red (60%)
- Yellow (35%)
- Blue (65%)



- Cyan (8%)
- Magenta (47%)
- Yellow (0%)
- Black (35%)





- Cyan (40%)
- Magenta (65%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5418, 0.3001, 0.2103 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 16.5418, 0.3001, 0.2103 by changing the saturation by 10% instead.


 16.5418, 0.3001,
0.2103


 16.5418, 0.3001,
0.2103


232.5179, 0.3094,
0.2732

 9.9084, 0.2965,
0.1937


 37.5363, 0.3044,
0.2339


 5.3382, 0.2909,
0.1721


 52.6661, 0.3057,
0.2425


 2.4471, 0.2816,
0.1432

 71.3968, 0.3067,
0.2498

 0.8499, 0.2647,
0.1036

 94.1128, 0.3075,
0.2559

 0.0000, 0.2409,
0.0000

 121.1986, 0.3081,
0.2612

 0.0000, 0.0000,
0.0000

153.0384, 0.3086,

0.2657

190.0167, 0.3090,
0.2697

■ 16.5418, 0.3001,
0.2103

■ 16.5418, 0.3001,
0.2103

■ 13.8240, 0.2961,
0.1875

■ 19.8961, 0.3036,
0.2351

■ 11.6971, 0.2918,
0.1675

■ 23.9243, 0.3067,
0.2607

■ 10.1128, 0.2873,
0.1514


■ 28.6631, 0.3093,
0.2864

■ 9.0140, 0.2827,
0.1395

■ 34.1463, 0.3114,
0.3114


■ 8.3121, 0.2781,
0.1317


■ 40.4053, 0.3131,
0.3353

 8.1471, 0.2768,
0.1299

 47.4697, 0.3145,
0.3576

 55.3675, 0.3155,
0.3783

 64.1255, 0.3162,
0.3973

 73.7691, 0.3167,
0.4145

Harmonies

Analogous

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



16.5418, 0.2165, 0.1870



16.5418, 0.3001, 0.2103



16.5418, 0.4035, 0.2563

Triad

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



16.5418, 0.3001, 0.2103



16.5418, 0.4676, 0.4538



16.5418, 0.1641, 0.3047

Complementary

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



16.5418, 0.3001, 0.2103



31.1674, 0.3173, 0.4697

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.



16.5418, 0.2159, 0.4170



16.5418, 0.3001, 0.2103



16.5418, 0.3906, 0.5076

Square

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



16.5418, 0.3001, 0.2103



16.5418, 0.5071, 0.3845



16.5418, 0.2990, 0.5034



16.5418, 0.1491, 0.2266

Rectangle

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



16.5418, 0.3001, 0.2103



16.5418, 0.4637, 0.2957



16.5418, 0.2990, 0.5034



16.5418, 0.1772, 0.3400

Sweetspot

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



16.5425, 0.3001, 0.2103



54.1906, 0.3100, 0.2942



14.4609, 0.2297, 0.2103



11.6877, 0.3095, 0.2889



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.5425, 0.3001, 0.2103



24.4482, 0.2958, 0.1859



17.1463, 0.3519, 0.2483



7.5985, 0.3110, 0.3066



6.2527, 0.2773, 0.1301



0.1692, 0.2926, 0.1386

Inverse Universe

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



16.1526, 0.4156, 0.3076



23.8170, 0.4540, 0.3040



30.9066, 0.2883, 0.4279



7.5632, 0.3259, 0.3250



6.3619, 0.6098, 0.3133



0.1609, 0.5316, 0.2702

Previews

White Background



This preview shows how the Yxy color 16.5418, 0.3001, 0.2103 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 16.5418, 0.3001, 0.2103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

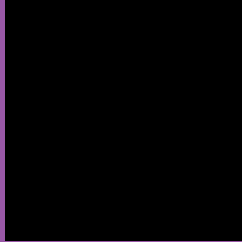
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5418, 0.3001, 0.2103

Background



This preview shows how black text looks on a background with the Yxy color 16.5418, 0.3001, 0.2103.



This preview shows how white text looks on a background with the Yxy color 16.5418, 0.3001, 0.2103.

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

16.5418, 0.3001, 0.2103

Protanopia

16.7957, 0.2161, 0.1992

Deuteranopia

16.6299, 0.2428, 0.2370



Tritanopia

16.6266, 0.3656, 0.3168

Trichromacy



Original Color

16.5418, 0.3001, 0.2103

Protanomaly

16.1839, 0.2387, 0.2004

Deuteranomaly

16.0938, 0.2602, 0.2233

Tritanomaly

16.4570, 0.3409, 0.2734

Monochromacy



Original Color

16.5418, 0.3001, 0.2103

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.7245, 0.3072, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5418, 0.3001, 0.2103 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(153, 88, 167)` looks like.

```
.text, #text, p{  
  color:rgb(153, 88, 167)  
}
```

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(153, 88, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 88, 167) }
```

Border

The CSS property to change the border of an element to Yxy 16.5418, 0.3001, 0.2103 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(153, 88, 167) }
```

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

```
.border{ border-color:rgb(153, 88, 167) }
```

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

Here you see how a box with a 4 pixel rgb(153, 88, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 88, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 88, 167);  
box-shadow:4px 4px 4px 4px rgb(153, 88,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5418, 0.3001, 0.2103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 88, 167) }
```

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

```
.background{ background-color: rgb(153, 88,  
167) }
```

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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