

Converting Colors

$Y_{xy}(16.9065, 0.3665, 0.2913)$

Have a look what the booklet for
Yxy(16.9065, 0.3665, 0.2913)
contains.

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Color

Yxy(16.9734, 0.3668, 0.2913)

Conversions

Conversions Part 1

Format	Color
Hex	9C6178
RGB	156, 97, 120
RGB Percent	61%, 38%, 47%
CMY	0.3883, 0.6196, 0.5294
CMYK	0.00, 0.38, 0.23, 0.39
HSL	337°, 23%, 50%
HSV	337°, 38%, 61%
XYZ	21.3726, 16.9734, 19.9217
YIQ	117.2630, 27.7810, 19.6610

Conversions

Conversions Part 2

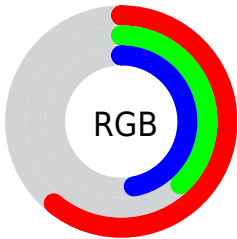
Format	Color
R_{YB}	156, 97, 120
Decimal	10248568
CIE Lab	48.23, 27.21, -2.81
CIE LCh	48, 27.355, 354.113
Yxy	16.9734, 0.3668, 0.2913
Android (android.graphics.Color)	4288438648 (0xFF9C6178)
YUV	117.2630, 1.3493, 33.9723
Hunter-Lab	41.1988, 20.5022, 0.1694

Details

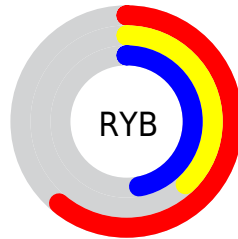
The Yxy color **16.9734, 0.3668, 0.2913** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **28.0053, 0.2787, 0.3708**, and the grayscale version is **17.8650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4705, 0.3546, 0.3008**, and **5.5481, 0.3892, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **14.1494, 0.3884, 0.2815**, and if you desaturate by 10%, it is **20.3888, 0.3486, 0.3016**.

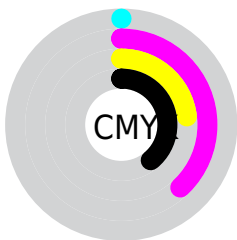
Distribution



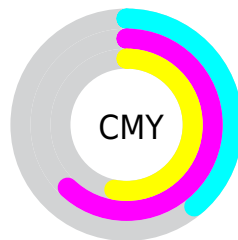
- Red (61%)
- Green (38%)
- Blue (47%)



- Red (61%)
- Yellow (38%)
- Blue (47%)



- Cyan (0%)
- Magenta (38%)
- Yellow (23%)
- Black (39%)



- Cyan (39%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9734, 0.3668, 0.2913 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 16.9734, 0.3668, 0.2913 by changing the saturation by 10% instead.


 16.9734, 0.3668,
0.2913

 16.9734, 0.3668,
0.2913


235.0190, 0.3355,
0.3129


 10.2155, 0.3765,
0.2847


 38.2800, 0.3541,
0.3000


 5.5421, 0.3905,
0.2753

 53.5976, 0.3498,
0.3030

 2.5687, 0.4123,
0.2610

 72.5372, 0.3463,
0.3054

 0.9110, 0.4504,
0.2366

 95.4831, 0.3434,
0.3074

 0.0000, 1.0000,
0.0000

122.8199, 0.3409,
0.3091

 0.0000, 0.0000,
0.0000

154.9319, 0.3388,

0.3106

192.2035, 0.3370,
0.3118

■ 16.9734, 0.3668,
0.2913

■ 16.9734, 0.3668,
0.2913

■ 14.1494, 0.3884,
0.2815

■ 20.3888, 0.3486,
0.3016

■ 11.8803, 0.4134,
0.2730

■ 24.4244, 0.3335,
0.3119

■ 10.1293, 0.4415,
0.2668


■ 29.1101, 0.3209,
0.3217


■ 8.8543, 0.4719,
0.2642


■ 34.4731, 0.3106,
0.3310

■ 8.0060, 0.5027,
0.2661

■ 40.5391, 0.3021,
0.3396

 7.4982, 0.5322,
0.2726

 47.3325, 0.2951,
0.3475

 7.4010, 0.5387,
0.2741

 54.8763, 0.2894,
0.3548

 63.1927, 0.2846,
0.3615

 72.3028, 0.2806,
0.3675

Harmonies

Analogous

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



16.9734, 0.3126, 0.2610



16.9734, 0.3668, 0.2913



16.9734, 0.4074, 0.3308

Triad

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



16.9734, 0.3668, 0.2913



16.9734, 0.3581, 0.4263



16.9734, 0.2161, 0.2720

Complementary

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



16.9734, 0.3668, 0.2913



28.0053, 0.2787, 0.3708

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.



16.9734, 0.2259, 0.3156



16.9734, 0.3668, 0.2913



16.9734, 0.3057, 0.4131

Square

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



16.9734, 0.3668, 0.2913



16.9734, 0.4004, 0.4087



16.9734, 0.2576, 0.3697



16.9734, 0.2289, 0.2483

Rectangle

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



16.9734, 0.3668, 0.2913



16.9734, 0.4191, 0.3590



16.9734, 0.2576, 0.3697



16.9734, 0.2169, 0.2845

Sweetspot

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



16.9742, 0.3668, 0.2913



49.8446, 0.3249, 0.3184



15.8890, 0.2869, 0.2296



10.7329, 0.3265, 0.3172



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.9742, 0.3668, 0.2913



26.6080, 0.3840, 0.2833



17.6120, 0.3987, 0.3391



6.6868, 0.3226, 0.3203



6.1043, 0.5369, 0.2731



0.1172, 0.4399, 0.2197

Inverse Universe

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



16.9742, 0.3668, 0.2913



26.6080, 0.3840, 0.2833



26.7810, 0.2598, 0.3185



6.6868, 0.3226, 0.3203



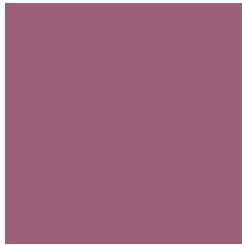
6.1043, 0.5369, 0.2731



0.1172, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 16.9734, 0.3668, 0.2913 looks on a white background.

Color Contrast Check

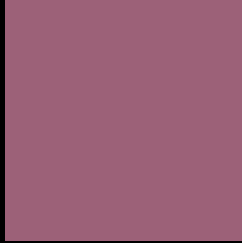
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9734, 0.3668, 0.2913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

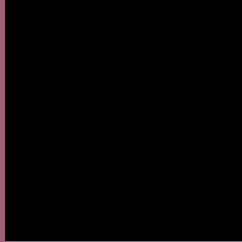
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9734, 0.3668, 0.2913

Background



This preview shows how black text looks on a background with the Yxy color 16.9734, 0.3668, 0.2913.



This preview shows how white text looks on a background with the Yxy color 16.9734, 0.3668, 0.2913.

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

16.9734, 0.3668, 0.2913

Protanopia

17.1181, 0.2906, 0.2961

Deuteranopia

17.0132, 0.3240, 0.3176



Tritanopia

16.9538, 0.3844, 0.3158

Trichromacy



Original Color

16.9734, 0.3668, 0.2913

Protanomaly

16.8466, 0.3157, 0.2939

Deuteranomaly

16.8503, 0.3388, 0.3073

Tritanomaly

16.8738, 0.3772, 0.3058

Monochromacy



Original Color

16.9734, 0.3668, 0.2913

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2852, 0.3310, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9734, 0.3668, 0.2913 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(156, 97, 120)` looks like.

```
.text, #text, p{  
    color:rgb(156, 97, 120)  
}
```

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(156, 97, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 97, 120) }
```

Border

The CSS property to change the border of an element to Yxy 16.9734, 0.3668, 0.2913 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(156, 97, 120) }
```

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

```
.border{ border-color:rgb(156, 97, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 97, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 97, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 97, 120);  
box-shadow:4px 4px 4px 4px rgb(156, 97,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9734, 0.3668, 0.2913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 97, 120) }
```

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

```
.background{ background-color: rgb(156, 97,  
120) }
```

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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