

Converting Colors

$Y_{xy}(15.9913, 0.3178, 0.2221)$

Have a look what the booklet for
Yxy(15.9913, 0.3178, 0.2221)
contains.

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Color

Yxy(16.1238, 0.3177, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	9C569C
RGB	156, 86, 156
RGB Percent	61%, 34%, 61%
CMY	0.3884, 0.6626, 0.3883
CMYK	0.00, 0.45, 0.00, 0.39
HSL	300°, 29%, 47%
HSV	300°, 45%, 61%
XYZ	23.0330, 16.1238, 33.3423
YIQ	114.9100, 19.2500, 36.6100

Conversions

Conversions Part 2

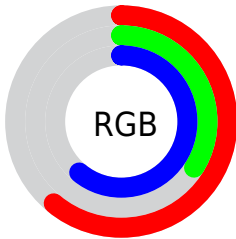
Format	Color
R _Y B	156, 86, 156
Decimal	10245788
CIE Lab	47.14, 39.59, -25.95
CIE LCh	47, 47.334, 326.754
Yxy	16.1238, 0.3177, 0.2224
Android (android.graphics.Color)	4288435868 (0xFF9C569C)
YUV	114.9100, 20.2574, 36.0359
Hunter-Lab	40.1545, 32.1190, -21.1235

Details

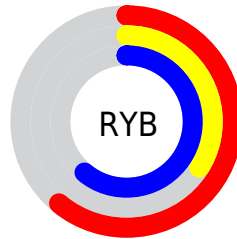
The Yxy color **16.1238, 0.3177, 0.2224** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.4234, 0.3063, 0.4650**, and the grayscale version is **17.0502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8772, 0.3177, 0.2441**, and **5.1448, 0.3172, 0.1871** is the 20% darker color. If you saturate the color by 10%, you get **13.8985, 0.3187, 0.2020**, and if you desaturate by 10%, it is **18.8942, 0.3166, 0.2450**.

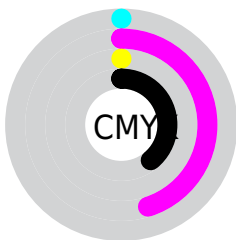
Distribution



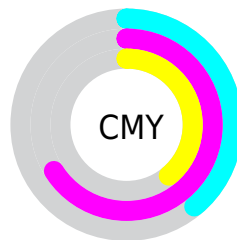
- Red (61%)
- Green (34%)
- Blue (61%)



- Red (61%)
- Yellow (34%)
- Blue (61%)



- Cyan (0%)
- Magenta (45%)
- Yellow (0%)
- Black (39%)




- Cyan (39%)
- Magenta (66%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1238, 0.3177, 0.2224 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 16.1238, 0.3177, 0.2224 by changing the saturation by 10% instead.


 16.1238, 0.3177,
0.2224

 16.1238, 0.3177,
0.2224


230.0711, 0.3167,
0.2798


 9.6118, 0.3172,
0.2069


 36.8130, 0.3178,
0.2442


 5.1423, 0.3159,
0.1863


 51.7590, 0.3177,
0.2521

 2.3310, 0.3129,
0.1580

 70.2851, 0.3175,
0.2587

 0.7901, 0.3055,
0.1174

 92.7757, 0.3174,
0.2642

 0.0000, 0.2986,
0.0000

 119.6152, 0.3172,
0.2689

 0.0000, 0.0000,
0.0000

151.1880, 0.3170,

0.2730

187.8785, 0.3168,
0.2766

■ 16.1238, 0.3177,
0.2224

■ 16.1238, 0.3177,
0.2224

■ 13.8985, 0.3187,
0.2020

■ 18.8942, 0.3166,
0.2450

■ 12.1803, 0.3195,
0.1848

■ 22.2399, 0.3155,
0.2689

■ 10.9301, 0.3201,
0.1712

■ 26.1918, 0.3144,
0.2934

■ 10.1017, 0.3205,
0.1617

■ 30.7776, 0.3133,
0.3175

■ 9.6376, 0.3208,
0.1562

■ 36.0235, 0.3122,
0.3409

■ 9.4630, 0.3209,
0.1541

■ 41.9542, 0.3111,
0.3631

■ 48.5930, 0.3102,
0.3838

■ 55.9624, 0.3093,
0.4029

■ 64.0836, 0.3084,
0.4204

Harmonies

Analogous

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



16.1238, 0.2334, 0.1959



16.1238, 0.3177, 0.2224



16.1238, 0.4144, 0.2697

Triad

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



16.1238, 0.3177, 0.2224



16.1238, 0.4498, 0.4595



16.1238, 0.1668, 0.2912

Complementary

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



16.1238, 0.3177, 0.2224



26.4234, 0.3063, 0.4650

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.



16.1238, 0.2106, 0.3927



16.1238, 0.3177, 0.2224



16.1238, 0.3733, 0.5016

Square

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



16.1238, 0.3177, 0.2224



16.1238, 0.4938, 0.3953



16.1238, 0.2860, 0.4821



16.1238, 0.1576, 0.2240

Rectangle

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



16.1238, 0.3177, 0.2224



16.1238, 0.4661, 0.3089



16.1238, 0.2860, 0.4821



16.1238, 0.1774, 0.3224

Sweetspot

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



16.1245, 0.3177, 0.2224



48.8306, 0.3142, 0.2972



11.2272, 0.2311, 0.1956



10.3885, 0.3144, 0.2922



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.



16.1245, 0.3177, 0.2224



25.1712, 0.3187, 0.2016



15.1355, 0.3671, 0.2703



6.7545, 0.3137, 0.3070



7.7966, 0.3209, 0.1541



0.1394, 0.3209, 0.1541

Inverse Universe

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



14.3986, 0.4281, 0.3293



21.6200, 0.4709, 0.3294



27.1027, 0.2803, 0.3977



6.6462, 0.3284, 0.3290



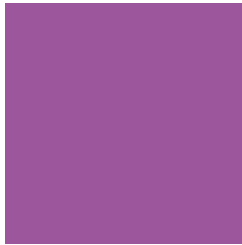
5.8219, 0.6400, 0.3300



0.1041, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 16.1238, 0.3177, 0.2224 looks on a white background.

Color Contrast Check

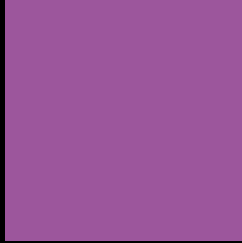
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1238, 0.3177, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

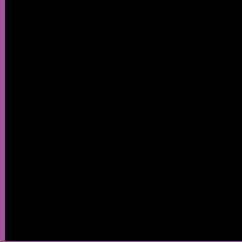
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1238, 0.3177, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 16.1238, 0.3177, 0.2224.



This preview shows how white text looks on a background with the Yxy color 16.1238, 0.3177, 0.2224.

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

16.1238, 0.3177, 0.2224

Protanopia

16.3612, 0.2261, 0.2122

Deuteranopia

16.4026, 0.2568, 0.2519



Tritanopia

16.2393, 0.3807, 0.3171

Trichromacy



Original Color

16.1238, 0.3177, 0.2224

Protanomaly

15.6826, 0.2521, 0.2122

Deuteranomaly

15.8676, 0.2765, 0.2387

Tritanomaly

16.1360, 0.3561, 0.2791

Monochromacy



Original Color

16.1238, 0.3177, 0.2224

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.2582, 0.3149, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1238, 0.3177, 0.2224 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, 86, 156)` looks like.

```
.text, #text, p{  
  color:rgb(156, 86, 156)  
}
```

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, 86, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 86, 156) }
```

Border

The CSS property to change the border of an element to Yxy 16.1238, 0.3177, 0.2224 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, 86, 156) }
```

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

```
.border{ border-color:rgb(156, 86, 156) }
```

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

Here you see how a box with a 4 pixel rgb(156, 86, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 86, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 86, 156);  
box-shadow:4px 4px 4px 4px rgb(156, 86,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1238, 0.3177, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 86, 156) }
```

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

```
.background{ background-color: rgb(156, 86,  
156) }
```

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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