

Converting Colors

$Y_{xy}(16.4514, 0.3216, 0.1932)$

Have a look what the booklet for
Yxy(16.4514, 0.3216, 0.1932)
contains.

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Color

Yxy(16.5114, 0.3217, 0.1938)

Conversions

Conversions Part 1

Format	Color
Hex	AF46AD
RGB	175, 70, 173
RGB Percent	69%, 27%, 68%
CMY	0.3138, 0.7254, 0.3216
CMYK	0.00, 0.60, 0.01, 0.31
HSL	301°, 43%, 48%
HSV	301°, 60%, 69%
XYZ	27.4082, 16.5114, 41.2785
YIQ	113.1370, 29.5170, 54.2930

Conversions

Conversions Part 2

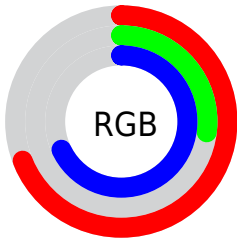
Format	Color
R_{YB}	175, 70, 173
Decimal	11486893
CIE _{Lab}	47.64, 56.03, -35.03
CIE _{LCh}	48, 66.077, 327.987
Yxy	16.5114, 0.3217, 0.1938
Android (android.graphics.Color)	4289676973 (0xFFAF46AD)
YUV	113.1370, 29.5125, 54.2539
Hunter-Lab	40.6342, 49.2904, -31.7861

Details

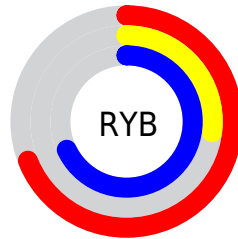
The Yxy color **16.5114, 0.3217, 0.1938** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **32.4219, 0.3028, 0.5160**, and the grayscale version is **16.4631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3961, 0.3217, 0.2189**, and **5.2997, 0.3189, 0.1535** is the 20% darker color. If you saturate the color by 10%, you get **14.6192, 0.3230, 0.1786**, and if you desaturate by 10%, it is **19.0429, 0.3203, 0.2125**.

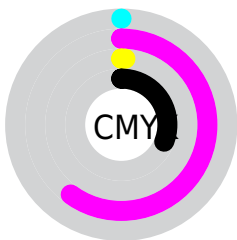
Distribution



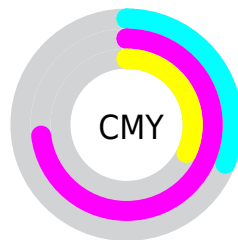
- Red (69%)
- Green (27%)
- Blue (68%)



- Red (69%)
- Yellow (27%)
- Blue (68%)



- Cyan (0%)
- Magenta (60%)
- Yellow (1%)
- Black (31%)





- Cyan (31%)
- Magenta (73%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5114, 0.3217, 0.1938 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 16.5114, 0.3217, 0.1938 by changing the saturation by 10% instead.


 16.5114, 0.3217,
0.1938

 16.5114, 0.3217,
0.1938


232.3408, 0.3197,
0.2636


 9.8868, 0.3211,
0.1762


 37.4838, 0.3217,
0.2195


 5.3239, 0.3194,
0.1537


 52.6003, 0.3215,
0.2290


 2.4386, 0.3156,
0.1246


 71.3162, 0.3212,
0.2371

 0.8456, 0.3067,
0.0866

 94.0159, 0.3209,
0.2440

 0.0000, 0.2965,
0.0000

 121.0838, 0.3206,
0.2499

 0.0000, 0.0653,
0.0000

152.9044, 0.3203,

 0.0000, 0.0000,

0.2551

0.0000

189.8619, 0.3200,
0.2596

■ 16.5114, 0.3217,
0.1938

■ 16.5114, 0.3217,
0.1938

■ 14.6192, 0.3230,
0.1786

■ 19.0429, 0.3203,
0.2125

■ 13.3070, 0.3241,
0.1674

■ 22.2617, 0.3188,
0.2339

■ 12.5080, 0.3249,
0.1605

■ 26.2139, 0.3172,
0.2571

■ 12.0785, 0.3256,
0.1568

■ 30.9410, 0.3156,
0.2812

■ 12.0777, 0.3256,
0.1568

■ 36.4812, 0.3141,
0.3054

■ 42.8705, 0.3127,
0.3290

■ 50.1423, 0.3114,
0.3516

■ 58.3287, 0.3102,
0.3729

■ 67.4598, 0.3091,
0.3925

Harmonies

Analogous

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



16.5114, 0.2106, 0.1607



16.5114, 0.3217, 0.1938



16.5114, 0.4567, 0.2516

Triad

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



16.5114, 0.3217, 0.1938



16.5114, 0.4770, 0.4894



16.5114, 0.1233, 0.2659

Complementary

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



16.5114, 0.3217, 0.1938



32.4219, 0.3028, 0.5160

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.



16.5114, 0.1707, 0.4103



16.5114, 0.3217, 0.1938



16.5114, 0.3736, 0.5634

Square

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



16.5114, 0.3217, 0.1938



16.5114, 0.5473, 0.4015



16.5114, 0.2628, 0.5487



16.5114, 0.1172, 0.1857

Rectangle

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



16.5114, 0.3217, 0.1938



16.5114, 0.5265, 0.2983



16.5114, 0.2628, 0.5487



16.5114, 0.1339, 0.3075

Sweetspot

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



16.5122, 0.3217, 0.1938



56.9833, 0.3154, 0.2853



8.8470, 0.1997, 0.1404



12.0782, 0.3158, 0.2783



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.



16.5122, 0.3217, 0.1938



25.3136, 0.3234, 0.1745



14.8693, 0.4030, 0.2572



8.1454, 0.3140, 0.3071



8.6529, 0.3256, 0.1567



0.2415, 0.3241, 0.1559

Inverse Universe

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



16.5122, 0.3217, 0.1938



25.3136, 0.3234, 0.1745



33.4156, 0.2709, 0.4209



8.1454, 0.3140, 0.3071



8.6529, 0.3256, 0.1567



0.2415, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 16.5114, 0.3217, 0.1938 looks on a white background.

Color Contrast Check

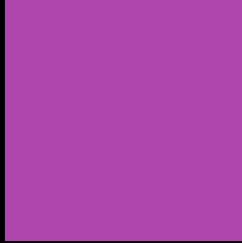
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5114, 0.3217, 0.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

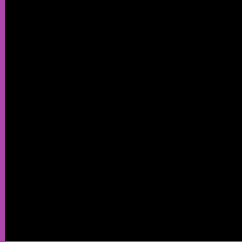
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5114, 0.3217, 0.1938

Background



This preview shows how black text looks on a background with the Yxy color 16.5114, 0.3217, 0.1938.



This preview shows how white text looks on a background with the Yxy color 16.5114, 0.3217, 0.1938.

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

16.5114, 0.3217, 0.1938

Protanopia

16.8121, 0.1942, 0.1707

Deuteranopia

16.8387, 0.2374, 0.2324



Tritanopia

16.4710, 0.4189, 0.3184

Trichromacy



Original Color

16.5114, 0.3217, 0.1938



Protanomaly

15.1130, 0.2221, 0.1699



Deuteranomaly

15.5515, 0.2611, 0.2087



Tritanomaly

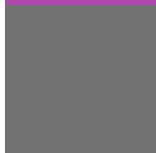
16.1022, 0.3825, 0.2659

Monochromacy



Original Color

16.5114, 0.3217, 0.1938



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.5329, 0.3173, 0.2621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5114, 0.3217, 0.1938 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(175, 70, 173)` looks like.

```
.text, #text, p{  
    color:rgb(175, 70, 173)  
}
```

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(175, 70, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 70, 173) }
```

Border

The CSS property to change the border of an element to Yxy 16.5114, 0.3217, 0.1938 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(175, 70, 173) }
```

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

```
.border{ border-color:rgb(175, 70, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 70, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 70, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 70, 173);  
box-shadow:4px 4px 4px 4px rgb(175, 70,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5114, 0.3217, 0.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 70, 173) }
```

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

```
.background{ background-color: rgb(175, 70,  
173) }
```

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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