

Converting Colors

$Y_{xy}(17.2301, 0.2665, 0.1440)$

Have a look what the booklet for
Yxy(17.2301, 0.2665, 0.1440)
contains.

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Color

Yxy(17.2861, 0.2665, 0.1440)

Conversions

Conversions Part 1

Format	Color
Hex	AD3BDE
RGB	173, 59, 222
RGB Percent	68%, 23%, 87%
CMY	0.3214, 0.7688, 0.1294
CMYK	0.22, 0.73, 0.00, 0.13
HSL	282°, 71%, 55%
HSV	282°, 73%, 87%
XYZ	31.9913, 17.2861, 70.7650
YIQ	111.6680, 15.6210, 74.8610

Conversions

Conversions Part 2

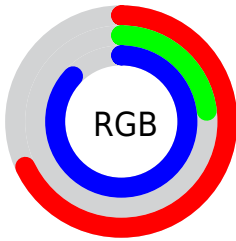
Format	Color
R _{YB}	173, 59, 222
Decimal	11353054
CIE _{Lab}	48.62, 69.28, -61.83
CIE _{LCh}	49, 92.855, 318.251
Y _{xy}	17.2861, 0.2665, 0.1440
Android (android.graphics.Color)	4289543134 (0xFFAD3BDE)
Y _{UV}	111.6680, 54.3937, 53.7882
Hunter-Lab	41.5766, 64.5887, -71.8104

Details

The Yxy color **17.2861, 0.2665, 0.1440** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **55.7458, 0.3244, 0.5466**, and the grayscale version is **15.9309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0984, 0.2981, 0.1917**, and **6.3980, 0.2451, 0.1124** is the 20% darker color. If you saturate the color by 10%, you get **14.7304, 0.2583, 0.1283**, and if you desaturate by 10%, it is **20.8504, 0.2747, 0.1641**.

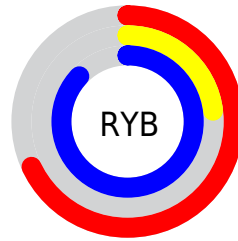
Distribution



Red (68%)

Green (23%)

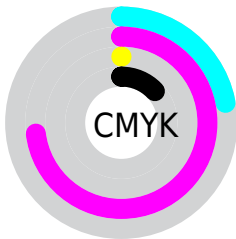
Blue (87%)



Red (68%)

Yellow (23%)

Blue (87%)

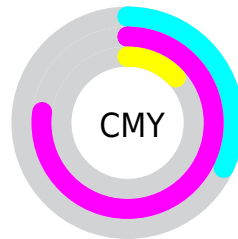


Cyan (22%)

Magenta (73%)

Yellow (0%)

Black (13%)



Cyan (32%)


Magenta (77%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2861, 0.2665, 0.1440 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 17.2861, 0.2665, 0.1440 by changing the saturation by 10% instead.


 17.2861, 0.2665,
0.1440


 17.2861, 0.2665,
0.1440


236.8157, 0.2964,
0.2318


 10.4387, 0.2572,
0.1248


 38.8170, 0.2788,
0.1741


 5.6908, 0.2445,
0.1022


 54.2693, 0.2830,
0.1860


 2.6580, 0.2265,
0.0759


 73.3587, 0.2864,
0.1963

 0.9559, 0.2002,
0.0467

 96.4696, 0.2891,
0.2052

 0.0000, 0.1640,
0.0000

 123.9863, 0.2914,
0.2131

 0.0000, 0.0964,
0.0000

156.2933, 0.2934,

 0.0000, 0.0000,

0.2200

0.0000

193.7750, 0.2950,
0.2262

■ 17.2861, 0.2665,
0.1440

■ 17.2861, 0.2665,
0.1440

■ 14.7304, 0.2583,
0.1283

■ 20.8504, 0.2747,
0.1641

■ 13.0480, 0.2504,
0.1175

■ 25.5313, 0.2825,
0.1878

■ 12.2779, 0.2453,
0.1125

■ 31.4248, 0.2898,
0.2138

■ 38.6159, 0.2965,
0.2411

■ 47.1817, 0.3023,
0.2685

■ 57.1935, 0.3072,
0.2952

■ 68.7172, 0.3114,
0.3206

■ 81.8148, 0.3149,
0.3443

■ 94.1254, 0.3180,
0.3625

Harmonies

Analogous

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



17.2861, 0.1499, 0.1171



17.2861, 0.2665, 0.1440



17.2861, 0.4471, 0.2016

Triad

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



17.2861, 0.2665, 0.1440



17.2861, 0.5365, 0.4635



17.2861, 0.0870, 0.2868

Complementary

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



17.2861, 0.2665, 0.1440



55.7458, 0.3244, 0.5466

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.



17.2861, 0.1518, 0.5225



17.2861, 0.2665, 0.1440



17.2861, 0.4057, 0.5943

Square

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



17.2861, 0.2665, 0.1440



17.2861, 0.6209, 0.3580



17.2861, 0.2689, 0.6671



17.2861, 0.0735, 0.1641

Rectangle

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



17.2861, 0.2665, 0.1440



17.2861, 0.5619, 0.2513



17.2861, 0.2689, 0.6671



17.2861, 0.1016, 0.3554

Sweetspot

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



17.2868, 0.2665, 0.1440



66.2250, 0.3029, 0.2720



17.4807, 0.1883, 0.1596



13.4331, 0.3015, 0.2646



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



17.2868, 0.2665, 0.1440



18.8228, 0.2541, 0.1221



22.4645, 0.3560, 0.1940



13.7183, 0.3090, 0.3056



7.3525, 0.2464, 0.1131



0.5556, 0.2582, 0.1196

Inverse Universe

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



19.7343, 0.4893, 0.2808



23.1006, 0.5442, 0.2862



53.8950, 0.2918, 0.5291



13.7679, 0.3245, 0.3220



9.4798, 0.5753, 0.2943



0.6726, 0.5312, 0.2700

Previews

White Background



This preview shows how the Yxy color 17.2861, 0.2665, 0.1440 looks on a white background.

Color Contrast Check

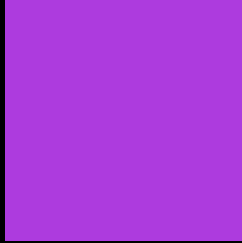
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2861, 0.2665, 0.1440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

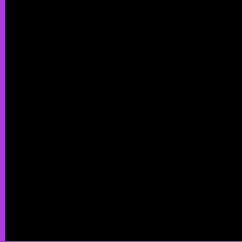
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2861, 0.2665, 0.1440

Background



This preview shows how black text looks on a background with the Yxy color 17.2861, 0.2665, 0.1440.



This preview shows how white text looks on a background with the Yxy color 17.2861, 0.2665, 0.1440.

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

17.2861, 0.2665, 0.1440

Protanopia

17.6445, 0.1741, 0.1467

Deuteranopia

17.5603, 0.1830, 0.1786



Tritanopia

17.1444, 0.3839, 0.3175

Trichromacy



Original Color

17.2861, 0.2665, 0.1440



Protanomaly

14.6550, 0.1814, 0.1304



Deuteranomaly

14.4612, 0.1877, 0.1470



Tritanomaly

16.3483, 0.3355, 0.2327

Monochromacy



Original Color

17.2861, 0.2665, 0.1440



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.1640, 0.2933, 0.2291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2861, 0.2665, 0.1440 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(173, 59, 222)` looks like.

```
.text, #text, p{  
    color:rgb(173, 59, 222)  
}
```

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(173, 59, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 59, 222) }
```

Border

The CSS property to change the border of an element to Yxy 17.2861, 0.2665, 0.1440 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(173, 59, 222) }
```

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

```
.border{ border-color:rgb(173, 59, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 59, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 59, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 59, 222);  
box-shadow:4px 4px 4px 4px rgb(173, 59,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2861, 0.2665, 0.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 59, 222) }
```

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

```
.background{ background-color: rgb(173, 59,  
222) }
```

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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