

Converting Colors

$Y_{xy}(13.3050, 0.3194, 0.1764)$

Have a look what the booklet for
Yxy(13.3050, 0.3194, 0.1764)
contains.

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Color

Yxy(13.2867, 0.3199, 0.1767)

Conversions

Conversions Part 1

Format	Color
Hex	A732A7
RGB	167, 50, 167
RGB Percent	65%, 20%, 65%
CMY	0.3450, 0.8040, 0.3451
CMYK	0.00, 0.70, 0.00, 0.35
HSL	300°, 54%, 43%
HSV	300°, 70%, 65%
XYZ	24.0544, 13.2867, 37.8524
YIQ	98.3210, 32.1750, 61.1910

Conversions

Conversions Part 2

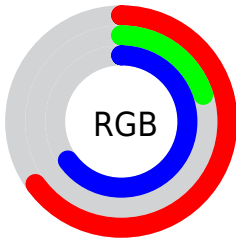
Format	Color
R_{YB}	167, 50, 167
Decimal	10957479
CIE _{Lab}	43.19, 61.13, -38.57
CIE _{LCh}	43, 72.283, 327.748
Yxy	13.2867, 0.3199, 0.1767
Android (android.graphics.Color)	4289147559 (0xFFA732A7)
YUV	98.3210, 33.8587, 60.2315
Hunter-Lab	36.4509, 54.0052, -36.0540

Details

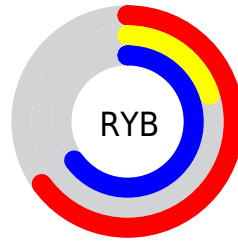
The Yxy color **13.2867, 0.3199, 0.1767** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **28.5529, 0.3024, 0.5494**, and the grayscale version is **12.2050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8507, 0.3205, 0.2057**, and **4.5944, 0.3146, 0.1507** is the 20% darker color. If you saturate the color by 10%, you get **12.1107, 0.3204, 0.1654**, and if you desaturate by 10%, it is **14.9847, 0.3192, 0.1920**.

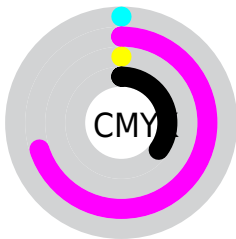
Distribution



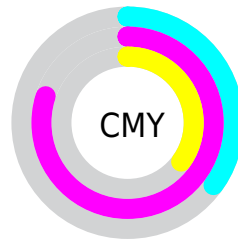
- Red (65%)
- Green (20%)
- Blue (65%)



- Red (65%)
- Yellow (20%)
- Blue (65%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (35%)




- Cyan (35%)
- Magenta (80%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2867, 0.3199, 0.1767 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 13.2867, 0.3199, 0.1767 by changing the saturation by 10% instead.


 13.2867, 0.3199,
0.1767


 13.2867, 0.3199,
0.1767

 212.7470, 0.3197,
0.2562


 7.6263, 0.3183,
0.1566


 31.8179, 0.3209,
0.2060


 3.8567, 0.3150,
0.1312


 45.4575, 0.3209,
0.2169

 1.5938, 0.3081,
0.0988

 62.5255, 0.3208,
0.2261

 0.3534, 0.2968,
0.0463

 83.4064, 0.3207,
0.2339

 0.0000, 0.2613,
0.0000

 108.4847, 0.3204,
0.2406

 0.0000, 0.0000,
0.0000

 138.1446, 0.3202,

0.2465

172.7706, 0.3200,
0.2516

■ 13.2867, 0.3199,
0.1767

■ 13.2867, 0.3199,
0.1767

■ 12.1107, 0.3204,
0.1654

■ 14.9847, 0.3192,
0.1920

■ 11.3952, 0.3208,
0.1582

■ 17.2538, 0.3183,
0.2109

■ 11.0070, 0.3210,
0.1542

■ 20.1396, 0.3173,
0.2325

■ 23.6823, 0.3162,
0.2559

■ 27.9189, 0.3150,
0.2803

■ 32.8837, 0.3139,
0.3049

■ 38.6087, 0.3127,
0.3288

■ 45.1238, 0.3116,
0.3518

■ 52.4575, 0.3106,
0.3734

Harmonies

Analogous

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



13.2867, 0.1951, 0.1415



13.2867, 0.3199, 0.1767



13.2867, 0.4792, 0.2387

Triad

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



13.2867, 0.3199, 0.1767



13.2867, 0.4927, 0.5014



13.2867, 0.1010, 0.2525

Complementary

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



13.2867, 0.3199, 0.1767



28.5529, 0.3024, 0.5494

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.



13.2867, 0.1490, 0.4254



13.2867, 0.3199, 0.1767



13.2867, 0.3708, 0.5963

Square

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



13.2867, 0.3199, 0.1767



13.2867, 0.5754, 0.3968



13.2867, 0.2488, 0.5953



13.2867, 0.0964, 0.1658

Rectangle

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



13.2867, 0.3199, 0.1767



13.2867, 0.5607, 0.2881



13.2867, 0.2488, 0.5953



13.2867, 0.1112, 0.3005

Sweetspot

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



13.2873, 0.3199, 0.1767



48.9234, 0.3152, 0.2771



5.7484, 0.1801, 0.1098



10.4811, 0.3155, 0.2706



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.



13.2873, 0.3199, 0.1767



20.8913, 0.3207, 0.1610



11.5910, 0.4222, 0.2470



7.6666, 0.3138, 0.3068



8.4205, 0.3210, 0.1542



0.2049, 0.3210, 0.1542

Inverse Universe

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



13.2873, 0.3199, 0.1767



20.8913, 0.3207, 0.1610



29.4159, 0.2693, 0.4433



7.6666, 0.3138, 0.3068



8.4205, 0.3210, 0.1542



0.2049, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 13.2867, 0.3199, 0.1767 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 Xy color 13.2867, 0.3199, 0.1767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

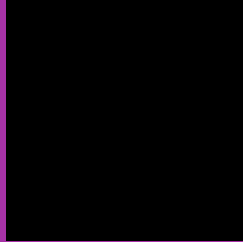
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2867, 0.3199, 0.1767

Background



This preview shows how black text looks on a background with the Yxy color 13.2867, 0.3199, 0.1767.



This preview shows how white text looks on a background with the Yxy color 13.2867, 0.3199, 0.1767.

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

13.2867, 0.3199, 0.1767

Protanopia

13.6268, 0.1739, 0.1461

Deuteranopia

13.6595, 0.2237, 0.2193



Tritanopia

13.3580, 0.4410, 0.3197

Trichromacy



Original Color

13.2867, 0.3199, 0.1767

Protanomaly

10.8171, 0.1875, 0.1378

Deuteranomaly

12.1374, 0.2492, 0.1905

Tritanomaly

12.9262, 0.3953, 0.2580

Monochromacy



Original Color

13.2867, 0.3199, 0.1767

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.5259, 0.3165, 0.2484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2867, 0.3199, 0.1767 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(167, 50, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 50, 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(167, 50, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 50, 167) }
```

Border

The CSS property to change the border of an element to Yxy 13.2867, 0.3199, 0.1767 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(167, 50, 167) }
```

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

```
.border{ border-color:rgb(167, 50, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 50, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 50, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 50, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 50,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2867, 0.3199, 0.1767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 50, 167) }
```

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

```
.background{ background-color: rgb(167, 50,  
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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