

Converting Colors

$Y_{xy}(17.2794, 0.3183, 0.2111)$

Have a look what the booklet for
Yxy(17.2794, 0.3183, 0.2111)
contains.

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Color

Yxy(17.3462, 0.3182, 0.2116)

Conversions

Conversions Part 1

Format	Color
Hex	A754A7
RGB	167, 84, 167
RGB Percent	65%, 33%, 65%
CMY	0.3451, 0.6706, 0.3450
CMYK	0.00, 0.50, 0.00, 0.34
HSL	300°, 33%, 49%
HSV	300°, 50%, 66%
XYZ	26.0849, 17.3462, 38.5453
YIQ	118.2790, 22.8250, 43.4090

Conversions

Conversions Part 2

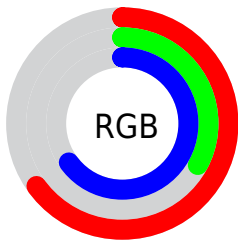
Format	Color
R _Y B	167, 84, 167
Decimal	10966183
CIE _{Lab}	48.69, 46.08, -29.94
CIE _{LCh}	49, 54.951, 326.984
Y _{xy}	17.3462, 0.3182, 0.2116
Android (android.graphics.Color)	4289156263 (0xFFA754A7)
Y _{UV}	118.2790, 24.0195, 42.7283
Hunter-Lab	41.6488, 38.9103, -25.7178

Details

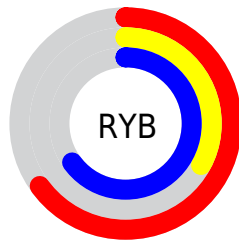
The Yxy color **17.3462, 0.3182, 0.2116** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.1726, 0.3055, 0.4831**, and the grayscale version is **18.1267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0125, 0.3190, 0.2354**, and **5.7285, 0.3159, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **15.0559, 0.3191, 0.1926**, and if you desaturate by 10%, it is **20.2562, 0.3172, 0.2333**.

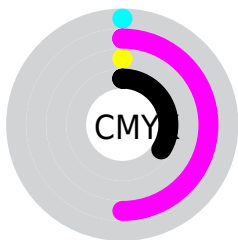
Distribution



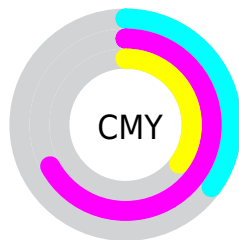
- Red (65%)
- Green (33%)
- Blue (65%)



- Red (65%)
- Yellow (33%)
- Blue (65%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (34%)





- Cyan (35%)
- Magenta (67%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3462, 0.3182, 0.2116 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 17.3462, 0.3182, 0.2116 by changing the saturation by 10% instead.


 17.3462, 0.3182,
0.2116


 17.3462, 0.3182,
0.2116


237.1596, 0.3174,
0.2732


 10.4816, 0.3175,
0.1955


 38.9201, 0.3185,
0.2346


 5.7194, 0.3160,
0.1747


 54.3981, 0.3184,
0.2430


 2.6752, 0.3126,
0.1469

 73.5162, 0.3183,
0.2501

 0.9646, 0.3047,
0.1090

 96.6586, 0.3181,
0.2562

 0.0000, 0.3023,
0.0000

 124.2097, 0.3179,
0.2613

 0.0000, 0.0000,
0.0000

156.5540, 0.3177,

0.2658

194.0758, 0.3175,
0.2698

■ 17.3462, 0.3182,
0.2116

■ 17.3462, 0.3182,
0.2116

■ 15.0559, 0.3191,
0.1926

■ 20.2562, 0.3172,
0.2333

■ 13.3384, 0.3198,
0.1771

■ 23.8238, 0.3161,
0.2568

■ 12.1437, 0.3203,
0.1657


■ 28.0867, 0.3150,
0.2812

■ 11.4124, 0.3207,
0.1583

■ 33.0791, 0.3138,
0.3057

■ 11.0159, 0.3209,
0.1542

■ 38.8327, 0.3127,
0.3297

 11.0055, 0.3209,
0.1541

 45.3776, 0.3116,
0.3526

 52.7423, 0.3106,
0.3741

 60.9536, 0.3097,
0.3941

 70.0373, 0.3088,
0.4125

Harmonies

Analogous

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



17.3462, 0.2245, 0.1827



17.3462, 0.3182, 0.2116



17.3462, 0.4282, 0.2628

Triad

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



17.3462, 0.3182, 0.2116



17.3462, 0.4617, 0.4710



17.3462, 0.1510, 0.2835

Complementary

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



17.3462, 0.3182, 0.2116



30.1726, 0.3055, 0.4831

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.



17.3462, 0.1971, 0.4002



17.3462, 0.3182, 0.2116



17.3462, 0.3758, 0.5236

Square

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



17.3462, 0.3182, 0.2116



17.3462, 0.5141, 0.3983



17.3462, 0.2793, 0.5053



17.3462, 0.1424, 0.2106

Rectangle

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



17.3462, 0.3182, 0.2116



17.3462, 0.4866, 0.3050



17.3462, 0.2793, 0.5053



17.3462, 0.1619, 0.3187

Sweetspot

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



17.3470, 0.3182, 0.2116



54.0888, 0.3144, 0.2921



11.2320, 0.2203, 0.1779



11.7082, 0.3147, 0.2871



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.



17.3470, 0.3182, 0.2116



26.4738, 0.3192, 0.1903



16.0875, 0.3762, 0.2639



7.6666, 0.3138, 0.3067



8.4185, 0.3209, 0.1541



0.2048, 0.3209, 0.1541

Inverse Universe

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



15.1982, 0.4489, 0.3294



22.1650, 0.5000, 0.3295



30.9902, 0.2776, 0.4073



7.5423, 0.3286, 0.3290



6.2866, 0.6400, 0.3300



0.1530, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 17.3462, 0.3182, 0.2116 looks on a white background.

Color Contrast Check

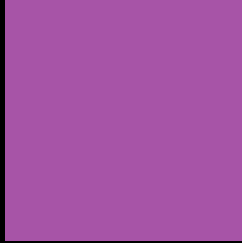
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3462, 0.3182, 0.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

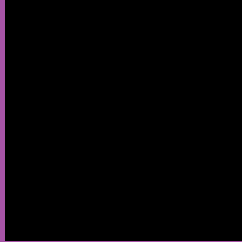
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3462, 0.3182, 0.2116

Background



This preview shows how black text looks on a background with the Yxy color 17.3462, 0.3182, 0.2116.



This preview shows how white text looks on a background with the Yxy color 17.3462, 0.3182, 0.2116.

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

17.3462, 0.3182, 0.2116

Protanopia

17.7252, 0.2151, 0.1987

Deuteranopia

17.6368, 0.2493, 0.2440



Tritanopia

17.3352, 0.3916, 0.3178

Trichromacy



Original Color

17.3462, 0.3182, 0.2116

Protanomaly

16.6968, 0.2422, 0.1988

Deuteranomaly

16.9409, 0.2703, 0.2278

Tritanomaly

17.2453, 0.3642, 0.2755

Monochromacy



Original Color

17.3462, 0.3182, 0.2116

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.3199, 0.3152, 0.2764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3462, 0.3182, 0.2116 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, 84, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 84, 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, 84, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 84, 167) }
```

Border

The CSS property to change the border of an element to Yxy 17.3462, 0.3182, 0.2116 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, 84, 167) }
```

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

```
.border{ border-color:rgb(167, 84, 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, 84, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 84, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 84, 167); box-shadow:4px 4px 4px 4px rgb(167, 84, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3462, 0.3182, 0.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 84, 167) }
```

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

```
.background{ background-color: rgb(167, 84,  
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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