

Converting Colors

$Y_{xy}(17.4342, 0.3231, 0.2104)$

Have a look what the booklet for
Yxy(17.4342, 0.3231, 0.2104)
contains.

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Color

Yxy(17.4825, 0.3235, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	AB52A7
RGB	171, 82, 167
RGB Percent	67%, 32%, 65%
CMY	0.3296, 0.6783, 0.3451
CMYK	0.00, 0.52, 0.02, 0.33
HSL	303°, 35%, 50%
HSV	303°, 52%, 67%
XYZ	26.7784, 17.4825, 38.5161
YIQ	118.3010, 25.7590, 45.3030

Conversions

Conversions Part 2

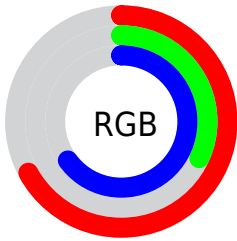
Format	Color
R_{YB}	171, 82, 167
Decimal	11227815
CIE _{Lab}	48.86, 48.20, -29.61
CIE _{LCh}	49, 56.573, 328.435
Yxy	17.4825, 0.3235, 0.2112
Android (android.graphics.Color)	4289417895 (0xFFAB52A7)
YUV	118.3010, 24.0086, 46.2170
Hunter-Lab	41.8121, 41.1484, -25.3479

Details

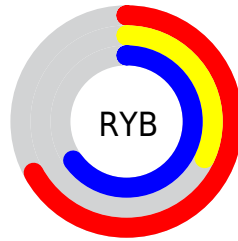
The Yxy color **17.4825, 0.3235, 0.2112** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **31.5762, 0.3026, 0.4846**, and the grayscale version is **18.1361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0959, 0.3229, 0.2345**, and **5.7813, 0.3220, 0.1738** is the 20% darker color. If you saturate the color by 10%, you get **15.1887, 0.3257, 0.1934**, and if you desaturate by 10%, it is **20.4204, 0.3213, 0.2318**.

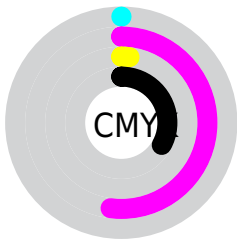
Distribution



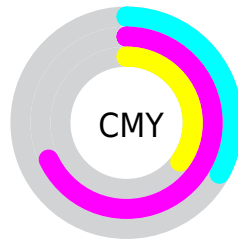
- Red (67%)
- Green (32%)
- Blue (65%)



- Red (67%)
- Yellow (32%)
- Blue (65%)



- Cyan (0%)
- Magenta (52%)
- Yellow (2%)
- Black (33%)




- Cyan (33%)
- Magenta (68%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4825, 0.3235, 0.2112 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 17.4825, 0.3235, 0.2112 by changing the saturation by 10% instead.


 17.4825, 0.3235,
0.2112


 17.4825, 0.3235,
0.2112


237.9377, 0.3197,
0.2729


 10.5791, 0.3237,
0.1952


 39.1535, 0.3226,
0.2342


 5.7846, 0.3233,
0.1744


 54.6899, 0.3222,
0.2426


 2.7145, 0.3215,
0.1468


 73.8728, 0.3217,
0.2497

 0.9846, 0.3162,
0.1092

 97.0865, 0.3212,
0.2558

 0.0000, 0.3193,
0.0000

 124.7155, 0.3208,
0.2609

 0.0000, 0.0065,
0.0000

157.1441, 0.3204,

 0.0000, 0.0000,

0.2655

0.0000

194.7567, 0.3201,
0.2694

■ 17.4825, 0.3235,
0.2112

■ 17.4825, 0.3235,
0.2112

■ 15.1887, 0.3257,
0.1934

■ 20.4204, 0.3213,
0.2318

■ 13.4880, 0.3277,
0.1792

■ 24.0437, 0.3191,
0.2543

■ 12.3257, 0.3296,
0.1690

■ 28.3928, 0.3169,
0.2777

■ 11.6359, 0.3312,
0.1631

■ 33.5047, 0.3149,
0.3013

■ 11.3089, 0.3323,
0.1604

■ 39.4135, 0.3131,
0.3245

■ 46.1515, 0.3114,
0.3466

■ 53.7490, 0.3099,
0.3675

■ 62.2349, 0.3085,
0.3870

■ 71.6368, 0.3073,
0.4049

Harmonies

Analogous

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



17.4825, 0.2262, 0.1806



17.4825, 0.3235, 0.2112



17.4825, 0.4362, 0.2641

Triad

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



17.4825, 0.3235, 0.2112



17.4825, 0.4606, 0.4767



17.4825, 0.1463, 0.2771

Complementary

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



17.4825, 0.3235, 0.2112



31.5762, 0.3026, 0.4846

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.



17.4825, 0.1910, 0.3958



17.4825, 0.3235, 0.2112



17.4825, 0.3715, 0.5298

Square

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



17.4825, 0.3235, 0.2112



17.4825, 0.5171, 0.4022



17.4825, 0.2733, 0.5073



17.4825, 0.1395, 0.2053

Rectangle

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



17.4825, 0.3235, 0.2112



17.4825, 0.4945, 0.3072



17.4825, 0.2733, 0.5073



17.4825, 0.1567, 0.3124

Sweetspot

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



17.4833, 0.3235, 0.2112



55.9545, 0.3158, 0.2913



10.9111, 0.2175, 0.1681



12.0731, 0.3162, 0.2865



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



17.4833, 0.3235, 0.2112



26.8368, 0.3259, 0.1917



16.1372, 0.3880, 0.2674



8.1418, 0.3144, 0.3076



8.5324, 0.3322, 0.1604



0.2392, 0.3285, 0.1583

Inverse Universe

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



17.4833, 0.3235, 0.2112



26.8368, 0.3259, 0.1917



32.5014, 0.2734, 0.4034



8.1418, 0.3144, 0.3076



8.5324, 0.3322, 0.1604



0.2392, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 17.4825, 0.3235, 0.2112 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 17.4825, 0.3235, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

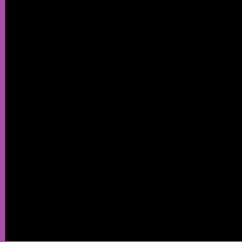
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.4825, 0.3235, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 17.4825, 0.3235, 0.2112.



This preview shows how white text looks on a background with the Yxy color 17.4825, 0.3235, 0.2112.

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

17.4825, 0.3235, 0.2112

Protanopia

17.8145, 0.2141, 0.1965

Deuteranopia

17.6595, 0.2510, 0.2457



Tritanopia

17.3558, 0.3998, 0.3165

Trichromacy



Original Color

17.4825, 0.3235, 0.2112

Protanomaly

16.6764, 0.2431, 0.1967

Deuteranomaly

16.8569, 0.2735, 0.2281

Tritanomaly

17.3198, 0.3705, 0.2736

Monochromacy



Original Color

17.4825, 0.3235, 0.2112

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.1991, 0.3166, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4825, 0.3235, 0.2112 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(171, 82, 167)` looks like.

```
.text, #text, p{  
    color:rgb(171, 82, 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(171, 82, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 82, 167) }
```

Border

The CSS property to change the border of an element to Yxy 17.4825, 0.3235, 0.2112 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(171, 82, 167) }
```

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

```
.border{ border-color:rgb(171, 82, 167) }
```

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

Here you see how a box with a 4 pixel rgb(171, 82, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 82, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 82, 167);  
box-shadow:4px 4px 4px 4px rgb(171, 82,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4825, 0.3235, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 82, 167) }
```

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

```
.background{ background-color: rgb(171, 82,  
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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