

Converting Colors

$Y_{xy}(17.4110, 0.3227, 0.2174)$

Have a look what the booklet for
Yxy(17.4110, 0.3227, 0.2174)
contains.

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Color

Yxy(17.3568, 0.3233, 0.2175)

Conversions

Conversions Part 1

Format	Color
Hex	A755A3
RGB	167, 85, 163
RGB Percent	65%, 33%, 64%
CMY	0.3450, 0.6667, 0.3607
CMYK	0.00, 0.49, 0.02, 0.35
HSL	303°, 33%, 49%
HSV	303°, 49%, 65%
XYZ	25.7998, 17.3568, 36.6448
YIQ	118.4100, 23.8340, 41.6420

Conversions

Conversions Part 2

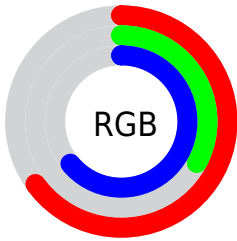
Format	Color
R _{YB}	167, 85, 163
Decimal	10966435
CIE _{Lab}	48.71, 44.83, -27.55
CIE _{LCh}	49, 52.623, 328.425
Yxy	17.3568, 0.3233, 0.2175
Android (android.graphics.Color)	4289156515 (0xFFA755A3)
YUV	118.4100, 21.9829, 42.6134
Hunter-Lab	41.6615, 37.6324, -22.9875

Details

The Yxy color **17.3568, 0.3233, 0.2175** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.2979, 0.3029, 0.4738**, and the grayscale version is **18.1758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0862, 0.3226, 0.2403**, and **5.7461, 0.3237, 0.1820** is the 20% darker color. If you saturate the color by 10%, you get **15.0022, 0.3256, 0.1989**, and if you desaturate by 10%, it is **20.3338, 0.3210, 0.2386**.

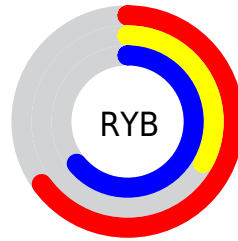
Distribution



Red (65%)

Green (33%)

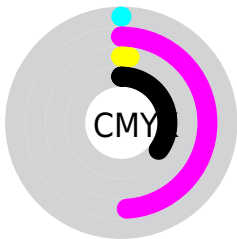
Blue (64%)



Red (65%)

Yellow (33%)

Blue (64%)

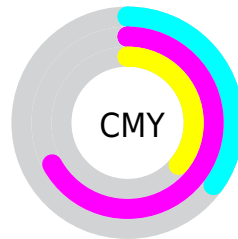


Cyan (0%)

Magenta (49%)

Yellow (2%)

Black (35%)



Cyan (35%)


Magenta (67%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3568, 0.3233, 0.2175 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 17.3568, 0.3233, 0.2175 by changing the saturation by 10% instead.


 17.3568, 0.3233,
0.2175


 17.3568, 0.3233,
0.2175


237.2202, 0.3194,
0.2764


 10.4892, 0.3236,
0.2020


 38.9382, 0.3223,
0.2396


 5.7245, 0.3234,
0.1817


 54.4209, 0.3218,
0.2477


 2.6783, 0.3221,
0.1544

 73.5439, 0.3213,
0.2544

 0.9662, 0.3175,
0.1164

 96.6919, 0.3209,
0.2602

 0.0000, 0.3234,
0.0000

 124.2491, 0.3204,
0.2651

 0.0000, 0.0000,
0.0000

156.6000, 0.3200,

0.2694

194.1289, 0.3197,
0.2731

■ 17.3568, 0.3233,
0.2175

■ 17.3568, 0.3233,
0.2175

■ 15.0022, 0.3256,
0.1989

■ 20.3338, 0.3210,
0.2386

■ 13.2233, 0.3278,
0.1836

■ 23.9709, 0.3187,
0.2614

■ 11.9706, 0.3299,
0.1722


■ 28.3055, 0.3165,
0.2848


■ 11.1854, 0.3317,
0.1650

■ 33.3717, 0.3144,
0.3082

■ 10.7506, 0.3333,
0.1613


■ 39.2012, 0.3126,
0.3310

 10.7160, 0.3335,
0.1611

 45.8238, 0.3109,
0.3527

 53.2679, 0.3093,
0.3730

 61.5605, 0.3080,
0.3919

 70.7270, 0.3068,
0.4092

Harmonies

Analogous

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



17.3568, 0.2315, 0.1882



17.3568, 0.3233, 0.2175



17.3568, 0.4282, 0.2683

Triad

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



17.3568, 0.3233, 0.2175



17.3568, 0.4540, 0.4704



17.3568, 0.1553, 0.2816

Complementary

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



17.3568, 0.3233, 0.2175



30.2979, 0.3029, 0.4738

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.



17.3568, 0.1987, 0.3914



17.3568, 0.3233, 0.2175



17.3568, 0.3704, 0.5168

Square

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



17.3568, 0.3233, 0.2175



17.3568, 0.5056, 0.4010



17.3568, 0.2772, 0.4934



17.3568, 0.1482, 0.2130

Rectangle

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



17.3568, 0.3233, 0.2175



17.3568, 0.4825, 0.3097



17.3568, 0.2772, 0.4934



17.3568, 0.1655, 0.3147

Sweetspot

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



17.3576, 0.3233, 0.2175



54.0077, 0.3157, 0.2939



11.3469, 0.2237, 0.1785



11.6876, 0.3161, 0.2891



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.



17.3576, 0.3233, 0.2175



26.5139, 0.3258, 0.1973



16.1498, 0.3817, 0.2706



7.6602, 0.3145, 0.3078



8.1997, 0.3333, 0.1610



0.2014, 0.3289, 0.1585

Inverse Universe

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



17.3576, 0.3233, 0.2175



26.5139, 0.3258, 0.1973



31.1547, 0.2750, 0.3983



7.6602, 0.3145, 0.3078



8.1997, 0.3333, 0.1610



0.2014, 0.3289, 0.1585

Previews

White Background



This preview shows how the Yxy color 17.3568, 0.3233, 0.2175 looks on a white background.

Color Contrast Check

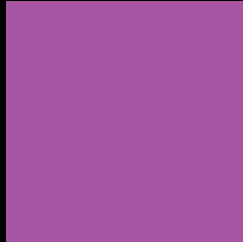
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3568, 0.3233, 0.2175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

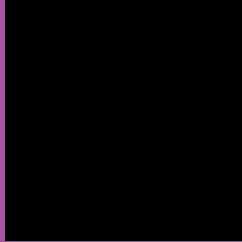
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3568, 0.3233, 0.2175

Background



This preview shows how black text looks on a background with the Yxy color 17.3568, 0.3233, 0.2175.



This preview shows how white text looks on a background with the Yxy color 17.3568, 0.3233, 0.2175.

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

17.3568, 0.3233, 0.2175

Protanopia

17.6972, 0.2207, 0.2055

Deuteranopia

17.6731, 0.2555, 0.2507



Tritanopia

17.2496, 0.3935, 0.3162

Trichromacy



Original Color

17.3568, 0.3233, 0.2175

Protanomaly

16.6968, 0.2491, 0.2056

Deuteranomaly

16.9507, 0.2766, 0.2339

Tritanomaly

17.1475, 0.3675, 0.2758

Monochromacy



Original Color

17.3568, 0.3233, 0.2175

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.2635, 0.3177, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3568, 0.3233, 0.2175 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, 85, 163)` looks like.

```
.text, #text, p{  
    color:rgb(167, 85, 163)  
}
```

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, 85, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 85, 163) }
```

Border

The CSS property to change the border of an element to Yxy 17.3568, 0.3233, 0.2175 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, 85, 163) }
```

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

```
.border{ border-color:rgb(167, 85, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 85, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 85, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 85, 163);  
box-shadow:4px 4px 4px 4px rgb(167, 85,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3568, 0.3233, 0.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 85, 163) }
```

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

```
.background{ background-color: rgb(167, 85,  
163) }
```

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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