

Converting Colors

$Y_{xy}(19.5831, 0.3417, 0.2456)$

Have a look what the booklet for
Yxy(19.5831, 0.3417, 0.2456)
contains.

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Color

Yxy(19.5831, 0.3417, 0.2456)

Conversions

Conversions Part 1

Format	Color
Hex	AD609A
RGB	173, 96, 154
RGB Percent	68%, 38%, 60%
CMY	0.3216, 0.6235, 0.3962
CMYK	0.00, 0.44, 0.11, 0.32
HSL	315°, 32%, 53%
HSV	315°, 44%, 68%
XYZ	27.2457, 19.5831, 32.9069
YIQ	125.6350, 27.2740, 34.3620

Conversions

Conversions Part 2

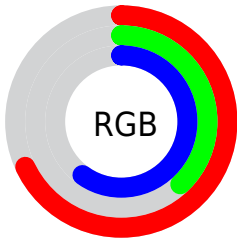
Format	Color
R_{YB}	173, 96, 154
Decimal	11362458
CIE _{Lab}	51.36, 39.32, -18.07
CIE _{LCh}	51, 43.277, 335.314
Yxy	19.5831, 0.3417, 0.2456
Android (android.graphics.Color)	4289552538 (0xFFAD609A)
YUV	125.6350, 13.9839, 41.5391
Hunter-Lab	44.2528, 32.4571, -13.1118

Details

The Yxy color **19.5831, 0.3417, 0.2456** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.6084, 0.2932, 0.4310**, and the grayscale version is **20.6796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8720, 0.3366, 0.2635**, and **6.8552, 0.3507, 0.2179** is the 20% darker color. If you saturate the color by 10%, you get **16.6268, 0.3505, 0.2287**, and if you desaturate by 10%, it is **23.2408, 0.3337, 0.2641**.

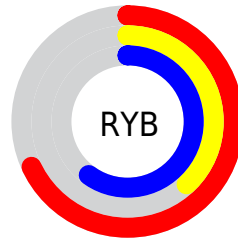
Distribution



Red (68%)

Green (38%)

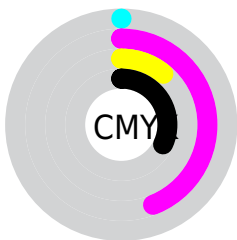
Blue (60%)



Red (68%)

Yellow (38%)

Blue (60%)

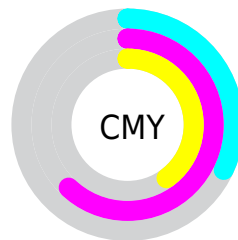


Cyan (0%)

Magenta (44%)

Yellow (11%)

Black (32%)



Cyan (32%)


Magenta (62%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5831, 0.3417, 0.2456 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 19.5831, 0.3417, 0.2456 by changing the saturation by 10% instead.


 19.5831, 0.3417,
0.2456


 19.5831, 0.3417,
0.2456


249.6492, 0.3265,
0.2901


 12.0924, 0.3457,
0.2336


 42.7171, 0.3361,
0.2625

 6.8066, 0.3508,
0.2176


 59.1292, 0.3340,
0.2686

 3.3415, 0.3577,
0.1954


 79.2838, 0.3322,
0.2737

 1.3125, 0.3673,
0.1630

 103.5654, 0.3308,
0.2780

 0.1508, 0.4057,
0.0541

132.3583, 0.3295,
0.2817

 0.0000, 0.1867,
0.0000

166.0470, 0.3284,

 0.0000, 0.0000,

0.2849

0.0000

205.0158, 0.3274,
0.2877

■ 19.5831, 0.3417,
0.2456

■ 19.5831, 0.3417,
0.2456

■ 16.6268, 0.3505,
0.2287

■ 23.2408, 0.3337,
0.2641

■ 14.3231, 0.3600,
0.2143

■ 27.6392, 0.3265,
0.2832

■ 12.6212, 0.3699,
0.2033


■ 32.8177, 0.3203,
0.3023

■ 11.4616, 0.3798,
0.1967


■ 38.8123, 0.3149,
0.3209

■ 10.7726, 0.3895,
0.1948

■ 45.6566, 0.3103,
0.3386

 10.5018, 0.3948,
0.1948

 53.3824, 0.3064,
0.3552

 62.0199, 0.3031,
0.3707

 71.5977, 0.3003,
0.3849

 82.1434, 0.2980,
0.3980

Harmonies

Analogous

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



19.5831, 0.2629, 0.2159



19.5831, 0.3417, 0.2456



19.5831, 0.4210, 0.2924

Triad

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



19.5831, 0.3417, 0.2456



19.5831, 0.4177, 0.4582



19.5831, 0.1790, 0.2779

Complementary

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



19.5831, 0.3417, 0.2456



33.6084, 0.2932, 0.4310

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.



19.5831, 0.2102, 0.3581



19.5831, 0.3417, 0.2456



19.5831, 0.3467, 0.4779

Square

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



19.5831, 0.3417, 0.2456



19.5831, 0.4642, 0.4074



19.5831, 0.2706, 0.4406



19.5831, 0.1783, 0.2275

Rectangle

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



19.5831, 0.3417, 0.2456



19.5831, 0.4575, 0.3294



19.5831, 0.2706, 0.4406



19.5831, 0.1859, 0.3019

Sweetspot

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



19.5840, 0.3417, 0.2456



60.0637, 0.3195, 0.3047



14.9612, 0.2486, 0.1993



12.5852, 0.3208, 0.3007



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.



19.5840, 0.3417, 0.2456



30.0516, 0.3500, 0.2296



18.5252, 0.3962, 0.2983



8.1138, 0.3174, 0.3121



7.7258, 0.3938, 0.1943



0.2229, 0.3676, 0.1798

Inverse Universe

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



19.5840, 0.3417, 0.2456



30.0516, 0.3500, 0.2296



34.6523, 0.2671, 0.3633



8.1138, 0.3174, 0.3121



7.7258, 0.3938, 0.1943



0.2229, 0.3676, 0.1798

Previews

White Background



This preview shows how the Yxy color 19.5831, 0.3417, 0.2456 looks on a white background.

Color Contrast Check

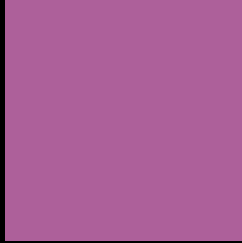
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.5831, 0.3417, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

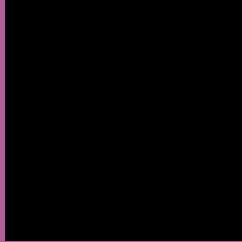
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5831, 0.3417, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 19.5831, 0.3417, 0.2456.



This preview shows how white text looks on a background with the Yxy color 19.5831, 0.3417, 0.2456.

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

19.5831, 0.3417, 0.2456

Protanopia

19.8177, 0.2477, 0.2401

Deuteranopia

19.6999, 0.2816, 0.2759



Tritanopia

19.6202, 0.3904, 0.3168

Trichromacy



Original Color

19.5831, 0.3417, 0.2456

Protanomaly

19.1668, 0.2761, 0.2401

Deuteranomaly

19.1787, 0.3022, 0.2624

Tritanomaly

19.6073, 0.3725, 0.2896

Monochromacy



Original Color

19.5831, 0.3417, 0.2456

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

19.8787, 0.3233, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5831, 0.3417, 0.2456 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, 96, 154)` looks like.

```
.text, #text, p{  
    color:rgb(173, 96, 154)  
}
```

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, 96, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 96, 154) }
```

Border

The CSS property to change the border of an element to Yxy 19.5831, 0.3417, 0.2456 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, 96, 154) }
```

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

```
.border{ border-color:rgb(173, 96, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 96, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 96, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 96, 154);  
box-shadow:4px 4px 4px 4px rgb(173, 96,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5831, 0.3417, 0.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 96, 154) }
```

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

```
.background{ background-color: rgb(173, 96,  
154) }
```

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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