

Converting Colors

$Y_{xy}(23.0131, 0.3170, 0.2386)$

Have a look what the booklet for
Yxy(23.0131, 0.3170, 0.2386)
contains.

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Color

Yxy(22.9919, 0.3170, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	AE6DAE
RGB	174, 109, 174
RGB Percent	68%, 43%, 68%
CMY	0.3175, 0.5726, 0.3176
CMYK	0.00, 0.37, 0.00, 0.32
HSL	300°, 29%, 55%
HSV	300°, 37%, 68%
XYZ	30.5723, 22.9919, 42.8784
YIQ	135.8450, 17.8750, 33.9950

Conversions

Conversions Part 2

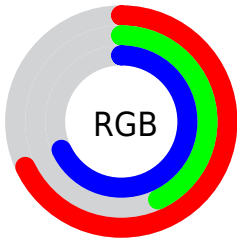
Format	Color
R_{YB}	174, 109, 174
Decimal	11431342
CIE _{Lab}	55.06, 36.27, -24.07
CIE _{LCh}	55, 43.534, 326.430
Yxy	22.9919, 0.3170, 0.2384
Android (android.graphics.Color)	4289621422 (0xFFAE6DAE)
YUV	135.8450, 18.8104, 33.4619
Hunter-Lab	47.9499, 29.8973, -19.4542

Details

The Yxy color $22.9919, 0.3170, 0.2384$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.6430, 0.3075, 0.4400$, and the grayscale version is $24.4833, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.5428, 0.3170, 0.2558$, and $8.5015, 0.3165, 0.2109$ is the 20% darker color. If you saturate the color by 10%, you get $19.6406, 0.3181, 0.2162$, and if you desaturate by 10%, it is $27.0803, 0.3159, 0.2622$.

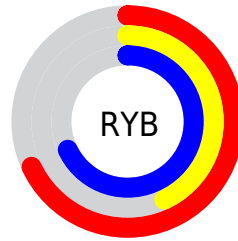
Distribution



Red (68%)

Green (43%)

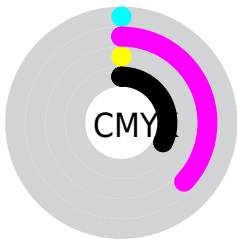
Blue (68%)



Red (68%)

Yellow (43%)

Blue (68%)

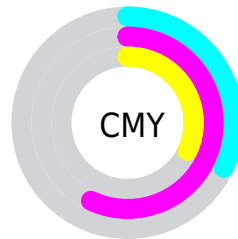


Cyan (0%)

Magenta (37%)

Yellow (0%)

Black (32%)



Cyan (32%)


Magenta (57%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9919, 0.3170, 0.2384 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 22.9919, 0.3170, 0.2384 by changing the saturation by 10% instead.


 22.9919, 0.3170,
0.2384


 22.9919, 0.3170,
0.2384


267.6834, 0.3160,
0.2853

 14.5875, 0.3168,
0.2263


 48.3800, 0.3169,
0.2558


 8.5304, 0.3162,
0.2105


 66.1326, 0.3168,
0.2622

 4.4362, 0.3148,
0.1893


 87.7700, 0.3167,
0.2676

 1.9204, 0.3113,
0.1596

 113.6766, 0.3165,
0.2722

 0.5606, 0.3048,
0.1095

144.2368, 0.3164,
0.2762

 0.0000, 0.2509,
0.0000

179.8351, 0.3162,

 0.0000, 0.0000,

0.2796

0.0000

220.8559, 0.3161,
0.2827

■ 22.9919, 0.3170,
0.2384

■ 22.9919, 0.3170,
0.2384

■ 19.6406, 0.3181,
0.2162

■ 27.0803, 0.3159,
0.2622

■ 16.9799, 0.3190,
0.1965

■ 31.9429, 0.3147,
0.2868

■ 14.9625, 0.3198,
0.1802


■ 37.6178, 0.3136,
0.3113

■ 13.5339, 0.3204,
0.1678

■ 44.1398, 0.3124,
0.3351


■ 12.6309, 0.3208,
0.1596

■ 51.5416, 0.3114,
0.3578

 12.1573, 0.3210,
0.1551

 59.8543, 0.3104,
0.3790

 12.0584, 0.3210,
0.1542

 69.1072, 0.3094,
0.3987

 79.3286, 0.3086,
0.4167

 83.5829, 0.3083,
0.4233

Harmonies

Analogous

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



22.9919, 0.2464, 0.2157



22.9919, 0.3170, 0.2384



22.9919, 0.3955, 0.2795

Triad

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



22.9919, 0.3170, 0.2384



22.9919, 0.4302, 0.4408



22.9919, 0.1901, 0.3009

Complementary

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



22.9919, 0.3170, 0.2384



34.6430, 0.3075, 0.4400

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.



22.9919, 0.2294, 0.3819



22.9919, 0.3170, 0.2384



22.9919, 0.3674, 0.4703

Square

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



22.9919, 0.3170, 0.2384



22.9919, 0.4636, 0.3887



22.9919, 0.2939, 0.4512



22.9919, 0.1807, 0.2431

Rectangle

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



22.9919, 0.3170, 0.2384



22.9919, 0.4376, 0.3138



22.9919, 0.2939, 0.4512



22.9919, 0.1999, 0.3264

Sweetspot

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



22.9929, 0.3170, 0.2384



64.0997, 0.3140, 0.3020



17.2402, 0.2457, 0.2182



13.9421, 0.3141, 0.2988



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.9929, 0.3170, 0.2384



36.4859, 0.3179, 0.2196



21.8747, 0.3570, 0.2811



8.1480, 0.3138, 0.3067



8.7412, 0.3210, 0.1542



0.2432, 0.3210, 0.1542

Inverse Universe

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



22.9929, 0.3170, 0.2384



36.4859, 0.3179, 0.2196



35.4771, 0.2839, 0.3830



8.1480, 0.3138, 0.3067



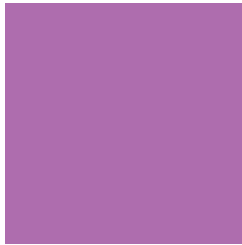
8.7412, 0.3210, 0.1542



0.2432, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 22.9919, 0.3170, 0.2384 looks on a white background.

Color Contrast Check

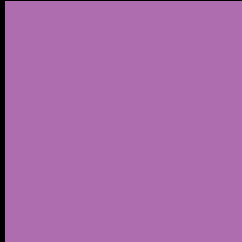
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9919, 0.3170, 0.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

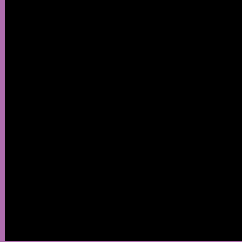
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9919, 0.3170, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 22.9919, 0.3170, 0.2384.



This preview shows how white text looks on a background with the Yxy color 22.9919, 0.3170, 0.2384.

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

22.9919, 0.3170, 0.2384

Protanopia

23.1937, 0.2428, 0.2338

Deuteranopia

23.2275, 0.2687, 0.2634



Tritanopia

23.0770, 0.3640, 0.3153

Trichromacy



Original Color

22.9919, 0.3170, 0.2384

Protanomaly

22.5307, 0.2654, 0.2335

Deuteranomaly

22.6990, 0.2852, 0.2525

Tritanomaly

22.8518, 0.3460, 0.2842

Monochromacy



Original Color

22.9919, 0.3170, 0.2384

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.6077, 0.3145, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9919, 0.3170, 0.2384 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(174, 109, 174)` looks like.

```
.text, #text, p{  
    color:rgb(174, 109, 174)  
}
```

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(174, 109, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 109, 174) }
```

Border

The CSS property to change the border of an element to Yxy 22.9919, 0.3170, 0.2384 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(174, 109, 174) }
```

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

```
.border{ border-color:rgb(174, 109, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 109, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 109, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 109, 174);  
box-shadow:4px 4px 4px 4px rgb(174, 109,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9919, 0.3170, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 109, 174) }
```

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

```
.background{ background-color: rgb(174,  
109, 174) }
```

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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