

Converting Colors

$Y_{xy}(23.0938, 0.3166, 0.2458)$

Have a look what the booklet for
Yxy(23.0938, 0.3166, 0.2458)
contains.

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Color

Yxy(23.0367, 0.3166, 0.2462)

Conversions

Conversions Part 1

Format	Color
Hex	AA70AA
RGB	170, 112, 170
RGB Percent	67%, 44%, 67%
CMY	0.3334, 0.5607, 0.3334
CMYK	0.00, 0.34, 0.00, 0.33
HSL	300°, 25%, 55%
HSV	300°, 34%, 67%
XYZ	29.6240, 23.0367, 40.9084
YIQ	135.9540, 15.9500, 30.3340

Conversions

Conversions Part 2

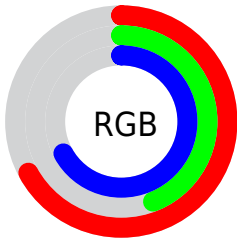
Format	Color
RYB	170, 112, 170
Decimal	11169962
CIELab	55.11, 32.49, -21.71
CIELCh	55, 39.081, 326.250
Yxy	23.0367, 0.3166, 0.2462
Android (android.graphics.Color)	4289360042 (0xFFAA70AA)
YUV	135.9540, 16.7847, 29.8583
Hunter-Lab	47.9966, 26.1780, -16.9364

Details

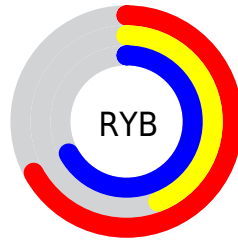
The Yxy color **23.0367, 0.3166, 0.2462** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.3603, 0.3080, 0.4285**, and the grayscale version is **24.5346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5153, 0.3167, 0.2630**, and **8.5352, 0.3161, 0.2188** is the 20% darker color. If you saturate the color by 10%, you get **19.6334, 0.3177, 0.2234**, and if you desaturate by 10%, it is **27.1502, 0.3155, 0.2704**.

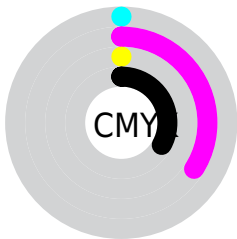
Distribution



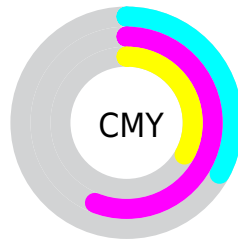
- Red (67%)
- Green (44%)
- Blue (67%)



- Red (67%)
- Yellow (44%)
- Blue (67%)



- Cyan (0%)
- Magenta (34%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0367, 0.3166, 0.2462 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 23.0367, 0.3166, 0.2462 by changing the saturation by 10% instead.


 23.0367, 0.3166,
0.2462


 23.0367, 0.3166,
0.2462

267.9134, 0.3156,
0.2894

 14.6206, 0.3165,
0.2349


 48.4536, 0.3165,
0.2623


 8.5536, 0.3160,
0.2201


 66.2232, 0.3164,
0.2683

 4.4512, 0.3149,
0.1999


 87.8794, 0.3162,
0.2732

 1.9290, 0.3120,
0.1712

 113.8066, 0.3161,
0.2774

 0.5657, 0.3067,
0.1212

144.3892, 0.3159,
0.2811

 0.0000, 0.2309,
0.0000

180.0116, 0.3158,

 0.0000, 0.0000,

0.2842

0.0000

221.0582, 0.3157,
0.2870

■ 23.0367, 0.3166,
0.2462

■ 23.0367, 0.3166,
0.2462

■ 19.6334, 0.3177,
0.2234

■ 27.1502, 0.3155,
0.2704

■ 16.8974, 0.3186,
0.2028

■ 32.0076, 0.3143,
0.2949

■ 14.7856, 0.3195,
0.1852

■ 37.6443, 0.3132,
0.3192


■ 13.2490, 0.3201,
0.1715


■ 44.0924, 0.3121,
0.3427

■ 12.2310, 0.3206,
0.1619


■ 51.3822, 0.3110,
0.3649

 11.6637, 0.3208,
0.1563

 59.5425, 0.3101,
0.3856

 11.4462, 0.3209,
0.1542

 68.6008, 0.3092,
0.4047

 78.5833, 0.3083,
0.4222

 82.9664, 0.3080,
0.4289

Harmonies

Analogous

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



23.0367, 0.2526, 0.2254



23.0367, 0.3166, 0.2462



23.0367, 0.3868, 0.2841

Triad

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



23.0367, 0.3166, 0.2462



23.0367, 0.4201, 0.4311



23.0367, 0.2014, 0.3051

Complementary

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



23.0367, 0.3166, 0.2462



33.3603, 0.3080, 0.4285

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.



23.0367, 0.2381, 0.3768



23.0367, 0.3166, 0.2462



23.0367, 0.3638, 0.4556

Square

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



23.0367, 0.3166, 0.2462



23.0367, 0.4490, 0.3847



23.0367, 0.2971, 0.4375



23.0367, 0.1922, 0.2521

Rectangle

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



23.0367, 0.3166, 0.2462



23.0367, 0.4244, 0.3158



23.0367, 0.2971, 0.4375



23.0367, 0.2107, 0.3279

Sweetspot

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



23.0377, 0.3166, 0.2462



61.9253, 0.3139, 0.3045



18.1533, 0.2528, 0.2313



13.5059, 0.3140, 0.3012



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.



23.0377, 0.3166, 0.2462



36.9751, 0.3174, 0.2286



22.0880, 0.3505, 0.2841



7.6666, 0.3138, 0.3067



8.4214, 0.3209, 0.1542



0.2049, 0.3209, 0.1542

Inverse Universe

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



21.3062, 0.3909, 0.3292



33.3452, 0.4174, 0.3293



34.0845, 0.2868, 0.3791



7.5423, 0.3286, 0.3290



6.2866, 0.6401, 0.3300



0.1530, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 23.0367, 0.3166, 0.2462 looks on a white background.

Color Contrast Check

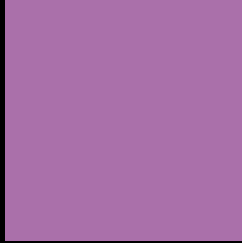
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0367, 0.3166, 0.2462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

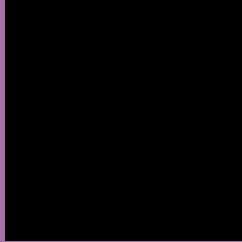
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0367, 0.3166, 0.2462

Background



This preview shows how black text looks on a background with the Yxy color 23.0367, 0.3166, 0.2462.



This preview shows how white text looks on a background with the Yxy color 23.0367, 0.3166, 0.2462.

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

23.0367, 0.3166, 0.2462

Protanopia

23.1390, 0.2495, 0.2422

Deuteranopia

23.2673, 0.2732, 0.2681



Tritanopia

23.0173, 0.3586, 0.3151

Trichromacy



Original Color

23.0367, 0.3166, 0.2462

Protanomaly

22.6548, 0.2708, 0.2418

Deuteranomaly

22.8327, 0.2881, 0.2582

Tritanomaly

22.9517, 0.3431, 0.2881

Monochromacy



Original Color

23.0367, 0.3166, 0.2462

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.6128, 0.3143, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0367, 0.3166, 0.2462 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(170, 112, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 112, 170)  
}
```

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(170, 112, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 112, 170) }
```

Border

The CSS property to change the border of an element to Yxy 23.0367, 0.3166, 0.2462 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(170, 112, 170) }
```

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

```
.border{ border-color:rgb(170, 112, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 112, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 112, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 112, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 112,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0367, 0.3166, 0.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 112, 170) }
```

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

```
.background{ background-color: rgb(170,  
112, 170) }
```

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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