

Converting Colors

$Y_{xy}(23.2030, 0.2979, 0.2518)$

Have a look what the booklet for
Yxy(23.2030, 0.2979, 0.2518)
contains.

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Color

Yxy(23.3418, 0.2982, 0.2523)

Conversions

Conversions Part 1

Format	Color
Hex	9B78AB
RGB	155, 120, 171
RGB Percent	61%, 47%, 67%
CMY	0.3921, 0.5294, 0.3294
CMYK	0.09, 0.30, 0.00, 0.33
HSL	281°, 23%, 57%
HSV	281°, 30%, 67%
XYZ	27.5883, 23.3418, 41.5860
YIQ	136.2790, 4.4890, 23.2810

Conversions

Conversions Part 2

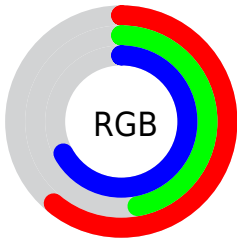
Format	Color
R _Y B	155, 120, 171
Decimal	10188971
CIE _{Lab}	55.42, 23.20, -21.97
CIE _{LCh}	55, 31.947, 316.562
Y _{xy}	23.3418, 0.2982, 0.2523
Android (android.graphics.Color)	4288379051 (0xFF9B78AB)
Y _{UV}	136.2790, 17.1175, 16.4183
Hunter-Lab	48.3134, 17.3802, -17.2148

Details

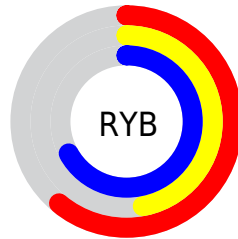
The Yxy color $23.3418, 0.2982, 0.2523$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $35.7202, 0.3230, 0.4105$, and the grayscale version is $24.6650, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.0798, 0.3022, 0.2684$, and $8.7220, 0.2907, 0.2269$ is the 20% darker color. If you saturate the color by 10%, you get $19.0716, 0.2917, 0.2252$, and if you desaturate by 10%, it is $28.3721, 0.3039, 0.2791$.

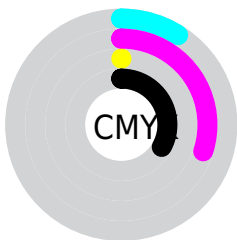
Distribution



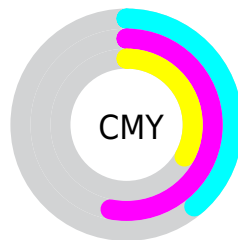
- Red (61%)
- Green (47%)
- Blue (67%)



- Red (61%)
- Yellow (47%)
- Blue (67%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)





- Cyan (39%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3418, 0.2982, 0.2523 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 23.3418, 0.2982, 0.2523 by changing the saturation by 10% instead.


 23.3418, 0.2982,
0.2523


 23.3418, 0.2982,
0.2523


269.4757, 0.3070,
0.2927


 14.8461, 0.2954,
0.2416


 48.9540, 0.3018,
0.2675

 8.7114, 0.2914,
0.2275


 66.8392, 0.3030,
0.2730

 4.5534, 0.2853,
0.2081


 88.6231, 0.3040,
0.2777

 1.9877, 0.2752,
0.1802

114.6900, 0.3048,
0.2816

 0.6003, 0.2575,
0.1318

145.4243, 0.3055,
0.2850

 0.0000, 0.0792,
0.0000

181.2104, 0.3061,

 0.0000, 0.0000,

0.2879

0.0000

222.4328, 0.3066,
0.2905

■ 23.3418, 0.2982,
0.2523

■ 23.3418, 0.2982,
0.2523

■ 19.0716, 0.2917,
0.2252

■ 28.3721, 0.3039,
0.2791

■ 15.5192, 0.2845,
0.1987

■ 34.1961, 0.3087,
0.3050

■ 12.6424, 0.2766,
0.1740

■ 40.8489, 0.3128,
0.3294

■ 10.3937, 0.2683,
0.1522

■ 48.3625, 0.3161,
0.3521

■ 8.7187, 0.2599,
0.1343

■ 56.7673, 0.3189,
0.3728

■ 7.5538, 0.2516,
0.1210

■ 66.0922, 0.3211,
0.3918

■ 6.7630, 0.2436,
0.1116

■ 76.3648, 0.3229,
0.4089

■ 6.7506, 0.2435,
0.1115

■ 86.4542, 0.3245,
0.4226

■ 87.1953, 0.3279,
0.4216

Harmonies

Analogous

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



23.3418, 0.2495, 0.2405



23.3418, 0.2982, 0.2523



23.3418, 0.3556, 0.2804

Triad

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



23.3418, 0.2982, 0.2523



23.3418, 0.4123, 0.4039



23.3418, 0.2281, 0.3286

Complementary

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



23.3418, 0.2982, 0.2523



35.7202, 0.3230, 0.4105

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.



23.3418, 0.2663, 0.3855



23.3418, 0.2982, 0.2523



23.3418, 0.3727, 0.4291

Square

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



23.3418, 0.2982, 0.2523



23.3418, 0.4249, 0.3635



23.3418, 0.3190, 0.4246



23.3418, 0.2121, 0.2787

Rectangle

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



23.3418, 0.2982, 0.2523



23.3418, 0.3901, 0.3058



23.3418, 0.3190, 0.4246



23.3418, 0.2386, 0.3479

Sweetspot

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



23.3428, 0.2982, 0.2523



61.9889, 0.3090, 0.3067



24.5841, 0.2643, 0.2716



13.4704, 0.3084, 0.3031



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.



23.3428, 0.2982, 0.2523



36.4521, 0.2939, 0.2338



24.6875, 0.3265, 0.2686



8.0203, 0.3089, 0.3063



5.1170, 0.2442, 0.1119



0.1697, 0.2684, 0.1252

Inverse Universe

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



23.8682, 0.3573, 0.3050



37.6380, 0.3716, 0.2993



34.7179, 0.3015, 0.3981



8.0552, 0.3239, 0.3219



6.7334, 0.5674, 0.2900



0.1973, 0.4817, 0.2427

Previews

White Background



This preview shows how the Yxy color 23.3418, 0.2982, 0.2523 looks on a white background.

Color Contrast Check

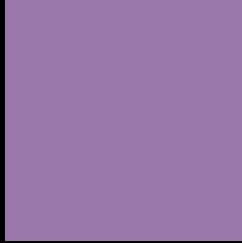
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3418, 0.2982, 0.2523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

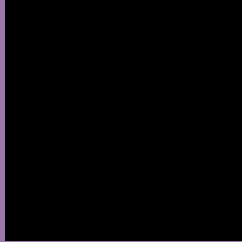
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3418, 0.2982, 0.2523

Background



This preview shows how black text looks on a background with the Yxy color 23.3418, 0.2982, 0.2523.



This preview shows how white text looks on a background with the Yxy color 23.3418, 0.2982, 0.2523.

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

23.3418, 0.2982, 0.2523

Protanopia

23.4092, 0.2561, 0.2512

Deuteranopia

23.3419, 0.2715, 0.2652



Tritanopia

23.4689, 0.3289, 0.3127

Trichromacy



Original Color

23.3418, 0.2982, 0.2523

Protanomaly

23.2189, 0.2699, 0.2513

Deuteranomaly

23.1424, 0.2802, 0.2590

Tritanomaly

23.2606, 0.3181, 0.2892

Monochromacy



Original Color

23.3418, 0.2982, 0.2523

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.9748, 0.3074, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3418, 0.2982, 0.2523 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(155, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(155, 120, 171)  
}
```

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(155, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 120, 171) }
```

Border

The CSS property to change the border of an element to Yxy 23.3418, 0.2982, 0.2523 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(155, 120, 171) }
```

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

```
.border{ border-color:rgb(155, 120, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 120, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 120, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 120, 171);  
box-shadow:4px 4px 4px 4px rgb(155, 120,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3418, 0.2982, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 120, 171) }
```

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

```
.background{ background-color: rgb(155,  
120, 171) }
```

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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