

Converting Colors

$Y_{xy}(23.5358, 0.3361, 0.2660)$

Have a look what the booklet for
Yxy(23.5358, 0.3361, 0.2660)
contains.

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Color

Yxy(23.6172, 0.3363, 0.2659)

Conversions

Conversions Part 1

Format	Color
Hex	AF729E
RGB	175, 114, 158
RGB Percent	69%, 45%, 62%
CMY	0.3137, 0.5529, 0.3804
CMYK	0.00, 0.35, 0.10, 0.31
HSL	317°, 28%, 57%
HSV	317°, 35%, 69%
XYZ	29.8701, 23.6172, 35.3325
YIQ	137.2550, 22.2320, 26.6160

Conversions

Conversions Part 2

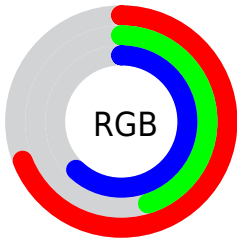
Format	Color
R _{YB}	175, 114, 158
Decimal	11498142
CIE _{Lab}	55.70, 30.88, -13.81
CIE _{LCh}	56, 33.826, 335.902
Yxy	23.6172, 0.3363, 0.2659
Android (android.graphics.Color)	4289688222 (0xFFAF729E)
YUV	137.2550, 10.2273, 33.1024
Hunter-Lab	48.5975, 24.6680, -9.0882

Details

The Yxy color $23.6172, 0.3363, 0.2659$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $35.8811, 0.2954, 0.4020$, and the grayscale version is $25.0726, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.4305, 0.3310, 0.2783$, and $8.7933, 0.3425, 0.2434$ is the 20% darker color. If you saturate the color by 10%, you get $19.8760, 0.3454, 0.2481$, and if you desaturate by 10%, it is $28.1225, 0.3283, 0.2844$.

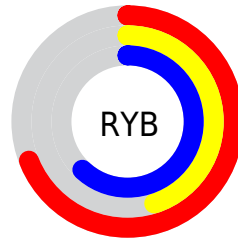
Distribution



Red (69%)

Green (45%)

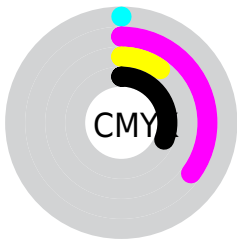
Blue (62%)



Red (69%)

Yellow (45%)

Blue (62%)

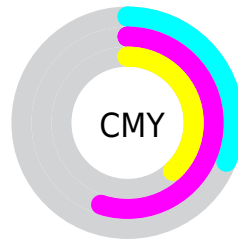


Cyan (0%)

Magenta (35%)

Yellow (10%)

Black (31%)



Cyan (31%)


Magenta (55%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6172, 0.3363, 0.2659 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 23.6172, 0.3363, 0.2659 by changing the saturation by 10% instead.


 23.6172, 0.3363,
0.2659


 23.6172, 0.3363,
0.2659


270.8794, 0.3240,
0.2993


 15.0499, 0.3395,
0.2570


 49.4048, 0.3317,
0.2785

 8.8544, 0.3438,
0.2451


 67.3939, 0.3300,
0.2831

 4.6463, 0.3496,
0.2286


 89.2924, 0.3286,
0.2869

 2.0413, 0.3580,
0.2044

 115.4846, 0.3274,
0.2901

 0.6313, 0.3731,
0.1608

146.3551, 0.3263,
0.2929

 0.0000, 0.4026,
0.0000

182.2881, 0.3255,

 0.0000, 0.0000,

0.2953

0.0000

223.6681, 0.3247,
0.2974

■ 23.6172, 0.3363,
0.2659

■ 23.6172, 0.3363,
0.2659

■ 19.8760, 0.3454,
0.2481

■ 28.1225, 0.3283,
0.2844

■ 16.8526, 0.3554,
0.2318

■ 33.4287, 0.3213,
0.3028

■ 14.5001, 0.3663,
0.2180

■ 39.5738, 0.3153,
0.3206

■ 12.7653, 0.3777,
0.2078

■ 46.5927, 0.3102,
0.3376

■ 11.5864, 0.3892,
0.2019

■ 54.5181, 0.3059,
0.3536

■ 10.8883, 0.4005,
0.2007

■ 63.3811, 0.3023,
0.3684

■ 10.6275, 0.4063,
0.2012

■ 73.2113, 0.2993,
0.3820

■ 84.0370, 0.2968,
0.3946

■ 84.8957, 0.2942,
0.3897

Harmonies

Analogous

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



23.6172, 0.2773, 0.2421



23.6172, 0.3363, 0.2659



23.6172, 0.3932, 0.3035

Triad

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



23.6172, 0.3363, 0.2659



23.6172, 0.3929, 0.4276



23.6172, 0.2103, 0.2923

Complementary

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



23.6172, 0.3363, 0.2659



35.8811, 0.2954, 0.4020

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.



23.6172, 0.2355, 0.3501



23.6172, 0.3363, 0.2659



23.6172, 0.3398, 0.4362

Square

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



23.6172, 0.3363, 0.2659



23.6172, 0.4261, 0.3932



23.6172, 0.2822, 0.4071



23.6172, 0.2096, 0.2529

Rectangle

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



23.6172, 0.3363, 0.2659



23.6172, 0.4195, 0.3330



23.6172, 0.2822, 0.4071



23.6172, 0.2160, 0.3101

Sweetspot

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



23.6183, 0.3363, 0.2659



64.8302, 0.3184, 0.3112



19.8969, 0.2672, 0.2311



14.0771, 0.3192, 0.3087



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.



23.6183, 0.3363, 0.2659



36.9131, 0.3434, 0.2518



22.7143, 0.3743, 0.3080



8.1094, 0.3178, 0.3128



7.6203, 0.4051, 0.2005



0.2206, 0.3744, 0.1836

Inverse Universe

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



23.6183, 0.3363, 0.2659



36.9131, 0.3434, 0.2518



36.8074, 0.2740, 0.3516



8.1094, 0.3178, 0.3128



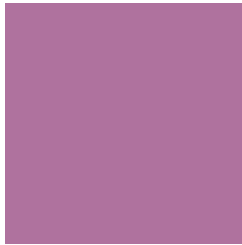
7.6203, 0.4051, 0.2005



0.2206, 0.3744, 0.1836

Previews

White Background



This preview shows how the Yxy color 23.6172, 0.3363, 0.2659 looks on a white background.

Color Contrast Check

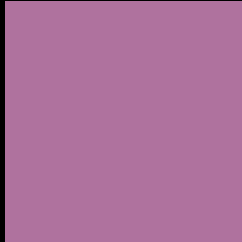
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6172, 0.3363, 0.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

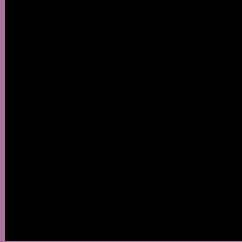
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6172, 0.3363, 0.2659

Background



This preview shows how black text looks on a background with the Yxy color 23.6172, 0.3363, 0.2659.



This preview shows how white text looks on a background with the Yxy color 23.6172, 0.3363, 0.2659.

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

23.6172, 0.3363, 0.2659

Protanopia

23.7279, 0.2672, 0.2651

Deuteranopia

23.9175, 0.2947, 0.2895



Tritanopia

23.6758, 0.3661, 0.3155

Trichromacy



Original Color

23.6172, 0.3363, 0.2659

Protanomaly

23.2600, 0.2902, 0.2642

Deuteranomaly

23.6468, 0.3093, 0.2802

Tritanomaly

23.6210, 0.3540, 0.2963

Monochromacy



Original Color

23.6172, 0.3363, 0.2659

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.3242, 0.3208, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6172, 0.3363, 0.2659 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(175, 114, 158)` looks like.

```
.text, #text, p{  
    color:rgb(175, 114, 158)  
}
```

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(175, 114, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 114, 158) }
```

Border

The CSS property to change the border of an element to Yxy 23.6172, 0.3363, 0.2659 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(175, 114, 158) }
```

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

```
.border{ border-color:rgb(175, 114, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 114, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 114, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 114, 158);  
box-shadow:4px 4px 4px 4px rgb(175, 114,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6172, 0.3363, 0.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 114, 158) }
```

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

```
.background{ background-color: rgb(175,  
114, 158) }
```

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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