

Converting Colors

$Y_{xy}(23.5955, 0.3296, 0.2448)$

Have a look what the booklet for
Yxy(23.5955, 0.3296, 0.2448)
contains.

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Color

Yxy(23.6633, 0.3298, 0.2456)

Conversions

Conversions Part 1

Format	Color
Hex	B56DAA
RGB	181, 109, 170
RGB Percent	71%, 43%, 67%
CMY	0.2902, 0.5725, 0.3334
CMYK	0.00, 0.40, 0.06, 0.29
HSL	309°, 33%, 57%
HSV	309°, 40%, 71%
XYZ	31.7759, 23.6633, 40.9098
YIQ	137.4820, 23.3310, 34.2350

Conversions

Conversions Part 2

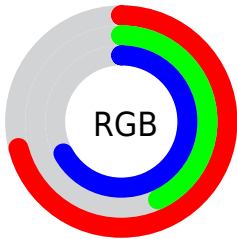
Format	Color
RYB	181, 109, 170
Decimal	11890090
CIELab	55.75, 37.76, -20.61
CIELCh	56, 43.018, 331.370
Yxy	23.6633, 0.3298, 0.2456
Android (android.graphics.Color)	4290080170 (0xFFB56DAA)
YUV	137.4820, 16.0314, 38.1653
Hunter-Lab	48.6449, 31.4713, -15.8107

Details

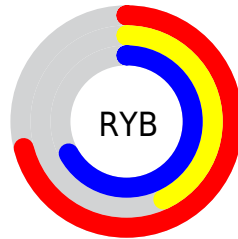
The Yxy color **23.6633, 0.3298, 0.2456** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.6514, 0.2996, 0.4301**, and the grayscale version is **25.1405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4540, 0.3273, 0.2620**, and **8.9480, 0.3339, 0.2199** is the 20% darker color. If you saturate the color by 10%, you get **20.0880, 0.3352, 0.2261**, and if you desaturate by 10%, it is **28.0380, 0.3248, 0.2664**.

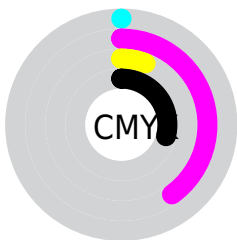
Distribution



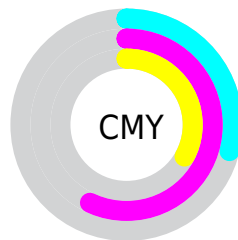
- Red (71%)
- Green (43%)
- Blue (67%)



- Red (71%)
- Yellow (43%)
- Blue (67%)



- Cyan (0%)
- Magenta (40%)
- Yellow (6%)
- Black (29%)





- Cyan (29%)
- Magenta (57%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6633, 0.3298, 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 23.6633, 0.3298, 0.2456 by changing the saturation by 10% instead.


 23.6633, 0.3298,
0.2456


 23.6633, 0.3298,
0.2456


271.1138, 0.3216,
0.2889


 15.0840, 0.3317,
0.2344


 49.4802, 0.3269,
0.2617

 8.8784, 0.3339,
0.2197


 67.4866, 0.3258,
0.2676

 4.6619, 0.3366,
0.2000


 89.4042, 0.3249,
0.2726

 2.0503, 0.3395,
0.1720

 115.6174, 0.3241,
0.2768

 0.6365, 0.3433,
0.1264

146.5106, 0.3233,
0.2804

 0.0000, 0.3381,
0.0000

182.4681, 0.3227,

 0.0000, 0.0000,

0.2836

0.0000

223.8744, 0.3221,
0.2864

■ 23.6633, 0.3298,
0.2456

■ 23.6633, 0.3298,
0.2456

■ 20.0880, 0.3352,
0.2261

■ 28.0380, 0.3248,
0.2664

■ 17.2597, 0.3410,
0.2090

■ 33.2539, 0.3202,
0.2878

■ 15.1249, 0.3468,
0.1950


■ 39.3536, 0.3162,
0.3090


■ 13.6215, 0.3527,
0.1851


■ 46.3759, 0.3126,
0.3295

■ 12.6765, 0.3583,
0.1796


■ 54.3575, 0.3096,
0.3489

 12.1431, 0.3636,
0.1778

 63.3328, 0.3070,
0.3671

 12.1317, 0.3637,
0.1777

 73.3347, 0.3047,
0.3840

 84.3944, 0.3028,
0.3996

 85.2777, 0.3013,
0.3975

Harmonies

Analogous

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



23.6633, 0.2578, 0.2199



23.6633, 0.3298, 0.2456



23.6633, 0.4052, 0.2885

Triad

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



23.6633, 0.3298, 0.2456



23.6633, 0.4195, 0.4458



23.6633, 0.1889, 0.2904

Complementary

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



23.6633, 0.3298, 0.2456



37.6514, 0.2996, 0.4301

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.



23.6633, 0.2228, 0.3673



23.6633, 0.3298, 0.2456



23.6633, 0.3550, 0.4679

Square

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



23.6633, 0.3298, 0.2456



23.6633, 0.4580, 0.3970



23.6633, 0.2829, 0.4399



23.6633, 0.1843, 0.2384

Rectangle

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



23.6633, 0.3298, 0.2456



23.6633, 0.4426, 0.3231



23.6633, 0.2829, 0.4399



23.6633, 0.1969, 0.3140

Sweetspot

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



23.6644, 0.3298, 0.2456



67.6824, 0.3171, 0.3039



18.2563, 0.2507, 0.2126



14.3193, 0.3176, 0.3012



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.6644, 0.3298, 0.2456



36.5402, 0.3347, 0.2279



22.4901, 0.3756, 0.2929



8.6239, 0.3160, 0.3099



8.3730, 0.3631, 0.1774



0.2695, 0.3496, 0.1700

Inverse Universe

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



23.6644, 0.3298, 0.2456



36.5402, 0.3347, 0.2279



38.6880, 0.2749, 0.3691



8.6239, 0.3160, 0.3099



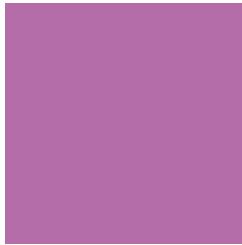
8.3730, 0.3631, 0.1774



0.2695, 0.3496, 0.1700

Previews

White Background



This preview shows how the Yxy color 23.6633, 0.3298, 0.2456 looks on a white background.

Color Contrast Check

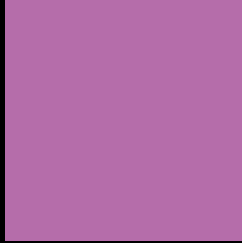
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6633, 0.3298, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

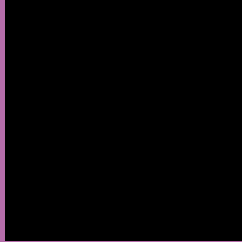
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6633, 0.3298, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 23.6633, 0.3298, 0.2456.



This preview shows how white text looks on a background with the Yxy color 23.6633, 0.3298, 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

23.6633, 0.3298, 0.2456

Protanopia

23.8723, 0.2487, 0.2417

Deuteranopia

23.8111, 0.2782, 0.2719



Tritanopia

23.7193, 0.3757, 0.3158

Trichromacy



Original Color

23.6633, 0.3298, 0.2456

Protanomaly

23.3269, 0.2731, 0.2417

Deuteranomaly

23.3455, 0.2957, 0.2609

Tritanomaly

23.7096, 0.3584, 0.2885

Monochromacy



Original Color

23.6633, 0.3298, 0.2456

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.1210, 0.3190, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6633, 0.3298, 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(181, 109, 170)` looks like.

```
.text, #text, p{  
    color:rgb(181, 109, 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(181, 109, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 109, 170) }
```

Border

The CSS property to change the border of an element to Yxy 23.6633, 0.3298, 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(181, 109, 170) }
```

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

```
.border{ border-color:rgb(181, 109, 170) }
```

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

Here you see how a box with a 4 pixel rgb(181, 109, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 109, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 109, 170);  
box-shadow:4px 4px 4px 4px rgb(181, 109,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6633, 0.3298, 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(181, 109, 170) }
```

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

```
.background{ background-color: rgb(181,  
109, 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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