

Converting Colors

$Y_{xy}(23.6206, 0.2996, 0.2480)$

Have a look what the booklet for
Yxy(23.6206, 0.2996, 0.2480)
contains.

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Color

Yxy(23.6206, 0.2996, 0.2480)

Conversions

Conversions Part 1

Format	Color
Hex	9F77AE
RGB	159, 119, 174
RGB Percent	62%, 47%, 68%
CMY	0.3764, 0.5333, 0.3177
CMYK	0.09, 0.32, 0.00, 0.32
HSL	284°, 25%, 57%
HSV	284°, 32%, 68%
XYZ	28.5352, 23.6206, 43.0885
YIQ	137.2300, 6.1850, 25.5850

Conversions

Conversions Part 2

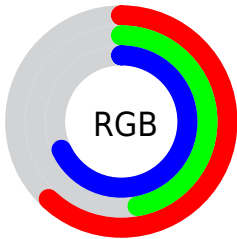
Format	Color
R _Y B	159, 119, 174
Decimal	10450862
CIE _{Lab}	55.71, 25.72, -23.20
CIE _{LCh}	56, 34.642, 317.945
Y _{xy}	23.6206, 0.2996, 0.2480
Android (android.graphics.Color)	4288640942 (0xFF9F77AE)
Y _{UV}	137.2300, 18.1276, 19.0923
Hunter-Lab	48.6010, 19.7512, -18.5444

Details

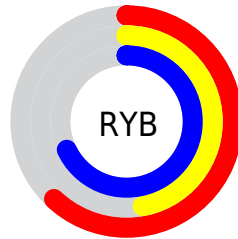
The Yxy color **23.6206, 0.2996, 0.2480** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **36.6614, 0.3215, 0.4167**, and the grayscale version is **25.0369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5144, 0.3024, 0.2638**, and **8.8866, 0.2942, 0.2234** is the 20% darker color. If you saturate the color by 10%, you get **19.3776, 0.2940, 0.2214**, and if you desaturate by 10%, it is **28.6421, 0.3045, 0.2746**.

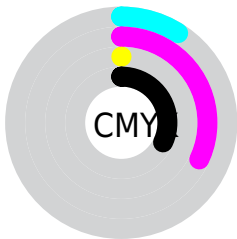
Distribution



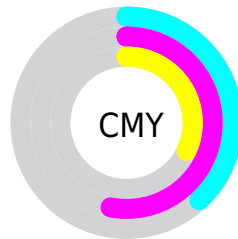
- Red (62%)
- Green (47%)
- Blue (68%)



- Red (62%)
- Yellow (47%)
- Blue (68%)



- Cyan (9%)
- Magenta (32%)
- Yellow (0%)
- Black (32%)





- Cyan (38%)
- Magenta (53%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6206, 0.2996, 0.2480 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 23.6206, 0.2996, 0.2480 by changing the saturation by 10% instead.


 23.6206, 0.2996,
0.2480

 23.6206, 0.2996,
0.2480


270.8967, 0.3077,
0.2904


 15.0524, 0.2970,
0.2369


 49.4104, 0.3030,
0.2638

 8.8562, 0.2932,
0.2223


 67.4007, 0.3041,
0.2696

 4.6475, 0.2874,
0.2025


 89.3006, 0.3050,
0.2745

 2.0420, 0.2777,
0.1742

115.4944, 0.3057,
0.2787

 0.6317, 0.2604,
0.1275

146.3666, 0.3064,
0.2822

 0.0000, 0.1367,
0.0000

182.3014, 0.3069,

 0.0000, 0.0000,

0.2853

0.0000

223.6833, 0.3073,
0.2880

■ 23.6206, 0.2996,
0.2480

■ 23.6206, 0.2996,
0.2480

■ 19.3776, 0.2940,
0.2214

■ 28.6421, 0.3045,
0.2746

■ 15.8687, 0.2877,
0.1958

■ 34.4777, 0.3087,
0.3006

■ 13.0490, 0.2809,
0.1722


■ 41.1642, 0.3122,
0.3252

■ 10.8681, 0.2737,
0.1519


■ 48.7353, 0.3151,
0.3482

■ 9.2678, 0.2664,
0.1356

■ 57.2229, 0.3174,
0.3695

 8.1797, 0.2591,
0.1239

 66.6572, 0.3193,
0.3889

 7.5385, 0.2532,
0.1169

 77.0672, 0.3208,
0.4065

 86.4317, 0.3222,
0.4195

 87.0807, 0.3252,
0.4186

Harmonies

Analogous

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



23.6206, 0.2468, 0.2345



23.6206, 0.2996, 0.2480



23.6206, 0.3617, 0.2786

Triad

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



23.6206, 0.2996, 0.2480



23.6206, 0.4183, 0.4106



23.6206, 0.2205, 0.3254

Complementary

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



23.6206, 0.2996, 0.2480



36.6614, 0.3215, 0.4167

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.



23.6206, 0.2601, 0.3877



23.6206, 0.2996, 0.2480



23.6206, 0.3743, 0.4377

Square

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



23.6206, 0.2996, 0.2480



23.6206, 0.4339, 0.3674



23.6206, 0.3162, 0.4318



23.6206, 0.2048, 0.2724

Rectangle

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



23.6206, 0.2996, 0.2480



23.6206, 0.3985, 0.3058



23.6206, 0.3162, 0.4318



23.6206, 0.2312, 0.3462

Sweetspot

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



23.6216, 0.2996, 0.2480



65.3724, 0.3096, 0.3067



24.1877, 0.2607, 0.2644



14.1598, 0.3091, 0.3031



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.



23.6216, 0.2996, 0.2480



37.2709, 0.2957, 0.2291



24.8012, 0.3296, 0.2674



8.0368, 0.3096, 0.3064



5.4996, 0.2540, 0.1173



0.1781, 0.2753, 0.1290

Inverse Universe

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



23.9105, 0.3638, 0.3069



37.9737, 0.3803, 0.3017



35.8223, 0.2995, 0.3998



8.0498, 0.3245, 0.3228



6.6865, 0.5819, 0.2979



0.1953, 0.4964, 0.2509

Previews

White Background



This preview shows how the Yxy color 23.6206, 0.2996, 0.2480 looks on a white background.

Color Contrast Check

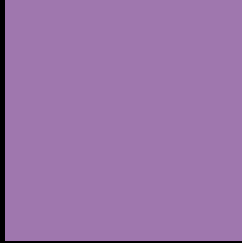
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6206, 0.2996, 0.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

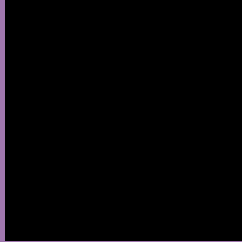
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6206, 0.2996, 0.2480

Background



This preview shows how black text looks on a background with the Yxy color 23.6206, 0.2996, 0.2480.



This preview shows how white text looks on a background with the Yxy color 23.6206, 0.2996, 0.2480.

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

23.6206, 0.2996, 0.2480

Protanopia

23.8148, 0.2517, 0.2459

Deuteranopia

23.7232, 0.2691, 0.2625



Tritanopia

23.4716, 0.3338, 0.3129

Trichromacy



Original Color

23.6206, 0.2996, 0.2480

Protanomaly

23.4606, 0.2675, 0.2461

Deuteranomaly

23.6848, 0.2796, 0.2569

Tritanomaly

23.3365, 0.3206, 0.2866

Monochromacy



Original Color

23.6206, 0.2996, 0.2480

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.1870, 0.3086, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6206, 0.2996, 0.2480 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(159, 119, 174)` looks like.

```
.text, #text, p{  
    color:rgb(159, 119, 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(159, 119, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 119, 174) }
```

Border

The CSS property to change the border of an element to Yxy 23.6206, 0.2996, 0.2480 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(159, 119, 174) }
```

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

```
.border{ border-color:rgb(159, 119, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 119, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 119, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 119, 174);  
box-shadow:4px 4px 4px 4px rgb(159, 119,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6206, 0.2996, 0.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 119, 174) }
```

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

```
.background{ background-color: rgb(159,  
119, 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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