

Converting Colors

$Y_{xy}(23.8614, 0.3433, 0.2669)$

Have a look what the booklet for
Yxy(23.8614, 0.3433, 0.2669)
contains.

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Color

Yxy(23.9479, 0.3437, 0.2671)

Conversions

Conversions Part 1

Format	Color
Hex	B4719D
RGB	180, 113, 157
RGB Percent	71%, 44%, 62%
CMY	0.2941, 0.5569, 0.3843
CMYK	0.00, 0.37, 0.13, 0.29
HSL	321°, 31%, 57%
HSV	321°, 37%, 71%
XYZ	30.8158, 23.9479, 34.8953
YIQ	138.0490, 25.8080, 27.8880

Conversions

Conversions Part 2

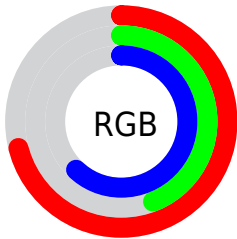
Format	Color
R _Y B	180, 113, 157
Decimal	11825565
CIE Lab	56.04, 32.99, -12.67
CIE LCh	56, 35.341, 338.995
Yxy	23.9479, 0.3437, 0.2671
Android (android.graphics.Color)	4290015645 (0xFFB4719D)
YUV	138.0490, 9.3428, 36.7910
Hunter-Lab	48.9366, 26.7639, -8.0224

Details

The Yxy color **23.9479, 0.3437, 0.2671** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.9375, 0.2913, 0.4007**, and the grayscale version is **25.3922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0304, 0.3372, 0.2791**, and **9.0312, 0.3537, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **20.1171, 0.3553, 0.2509**, and if you desaturate by 10%, it is **28.5882, 0.3336, 0.2841**.

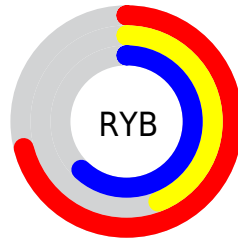
Distribution



Red (71%)

Green (44%)

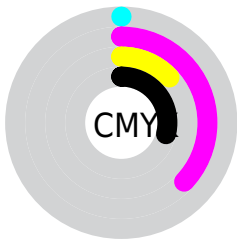
Blue (62%)



Red (71%)

Yellow (44%)

Blue (62%)

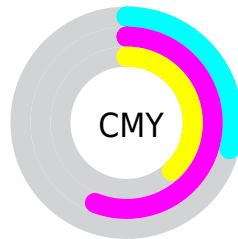


Cyan (0%)

Magenta (37%)

Yellow (13%)

Black (29%)



Cyan (29%)


Magenta (56%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9479, 0.3437, 0.2671 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 23.9479, 0.3437, 0.2671 by changing the saturation by 10% instead.


 23.9479, 0.3437,
0.2671


 23.9479, 0.3437,
0.2671


272.5570, 0.3273,
0.2998


 15.2950, 0.3481,
0.2583


 49.9452, 0.3375,
0.2794

 9.0267, 0.3540,
0.2467


 68.0583, 0.3352,
0.2839

 4.7586, 0.3621,
0.2307


 90.0936, 0.3334,
0.2877

 2.1063, 0.3742,
0.2070

 116.4355, 0.3318,
0.2908

 0.6682, 0.3953,
0.1657

147.4684, 0.3304,
0.2936

 0.0000, 0.4877,
0.0000

183.5767, 0.3292,

 0.0000, 0.0000,

0.2959

0.0000

225.1448, 0.3282,
0.2980

■ 23.9479, 0.3437,
0.2671

■ 23.9479, 0.3437,
0.2671

■ 20.1171, 0.3553,
0.2509

■ 28.5882, 0.3336,
0.2841

■ 17.0451, 0.3682,
0.2363

■ 34.0783, 0.3248,
0.3010

■ 14.6804, 0.3823,
0.2244


■ 40.4599, 0.3174,
0.3175

■ 12.9637, 0.3971,
0.2163

■ 47.7707, 0.3111,
0.3333

■ 11.8261, 0.4121,
0.2128

■ 56.0464, 0.3058,
0.3480


 11.1672, 0.4269,
0.2141

 65.3208, 0.3014,
0.3617

 11.0177, 0.4311,
0.2148

 75.6260, 0.2978,
0.3744

 85.7038, 0.2947,
0.3839

 86.0112, 0.2914,
0.3766

Harmonies

Analogous

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



23.9479, 0.2817, 0.2408



23.9479, 0.3437, 0.2671



23.9479, 0.4016, 0.3069

Triad

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



23.9479, 0.3437, 0.2671



23.9479, 0.3907, 0.4338



23.9479, 0.2054, 0.2853

Complementary

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



23.9479, 0.3437, 0.2671



37.9375, 0.2913, 0.4007

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.



23.9479, 0.2288, 0.3442



23.9479, 0.3437, 0.2671



23.9479, 0.3343, 0.4396

Square

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



23.9479, 0.3437, 0.2671



23.9479, 0.4282, 0.3995



23.9479, 0.2750, 0.4053



23.9479, 0.2073, 0.2471

Rectangle

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



23.9479, 0.3437, 0.2671



23.9479, 0.4267, 0.3377



23.9479, 0.2750, 0.4053



23.9479, 0.2104, 0.3032

Sweetspot

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



23.9490, 0.3437, 0.2671



68.5706, 0.3202, 0.3111



20.2843, 0.2679, 0.2246



14.4867, 0.3211, 0.3089



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.



23.9490, 0.3437, 0.2671



37.3956, 0.3535, 0.2532



22.9742, 0.3866, 0.3129



8.5961, 0.3188, 0.3142



7.7012, 0.4294, 0.2139



0.2528, 0.3922, 0.1934

Inverse Universe

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



23.9490, 0.3437, 0.2671



37.3956, 0.3535, 0.2532



39.0183, 0.2687, 0.3462



8.5961, 0.3188, 0.3142



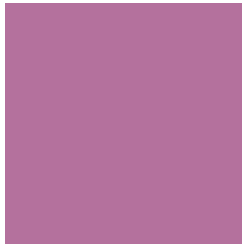
7.7012, 0.4294, 0.2139



0.2528, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 23.9479, 0.3437, 0.2671 looks on a white background.

Color Contrast Check

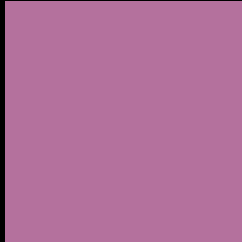
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9479, 0.3437, 0.2671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

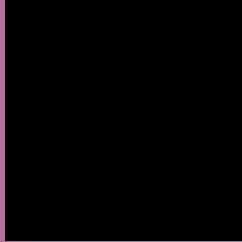
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9479, 0.3437, 0.2671

Background



This preview shows how black text looks on a background with the Yxy color 23.9479, 0.3437, 0.2671.



This preview shows how white text looks on a background with the Yxy color 23.9479, 0.3437, 0.2671.

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

23.9479, 0.3437, 0.2671

Protanopia

24.0753, 0.2683, 0.2670

Deuteranopia

24.0547, 0.2979, 0.2913



Tritanopia

24.0993, 0.3752, 0.3159

Trichromacy



Original Color

23.9479, 0.3437, 0.2671

Protanomaly

23.6946, 0.2924, 0.2662

Deuteranomaly

23.6519, 0.3138, 0.2806

Tritanomaly

24.0516, 0.3629, 0.2971

Monochromacy



Original Color

23.9479, 0.3437, 0.2671

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.5172, 0.3232, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9479, 0.3437, 0.2671 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(180, 113, 157)` looks like.

```
.text, #text, p{  
    color:rgb(180, 113, 157)  
}
```

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(180, 113, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 113, 157) }
```

Border

The CSS property to change the border of an element to Yxy 23.9479, 0.3437, 0.2671 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(180, 113, 157) }
```

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

```
.border{ border-color:rgb(180, 113, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 113, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 113, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 113, 157); box-shadow:4px 4px 4px 4px rgb(180, 113, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9479, 0.3437, 0.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 113, 157) }
```

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

```
.background{ background-color: rgb(180,  
113, 157) }
```

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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