

Converting Colors

$Y_{xy}(18.8897, 0.3278, 0.2438)$

Have a look what the booklet for
Yxy(18.8897, 0.3278, 0.2438)
contains.

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Color

Yxy(18.8885, 0.3272, 0.2434)

Conversions

Conversions Part 1

Format	Color
Hex	A3629B
RGB	163, 98, 155
RGB Percent	64%, 38%, 61%
CMY	0.3607, 0.6157, 0.3921
CMYK	0.00, 0.40, 0.05, 0.36
HSL	307°, 26%, 51%
HSV	307°, 40%, 64%
XYZ	25.3916, 18.8885, 33.3226
YIQ	123.9330, 20.4430, 31.5070

Conversions

Conversions Part 2

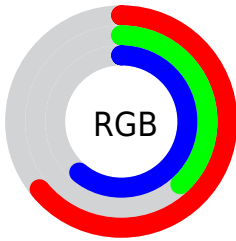
Format	Color
R_{YB}	163, 98, 155
Decimal	10707611
CIE _{Lab}	50.56, 35.14, -20.03
CIE _{LCh}	51, 40.448, 330.322
Yxy	18.8885, 0.3272, 0.2434
Android (android.graphics.Color)	4288897691 (0xFFA3629B)
YUV	123.9330, 15.3160, 34.2618
Hunter-Lab	43.4609, 28.2303, -15.0366

Details

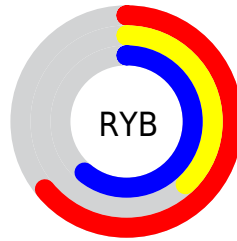
The Yxy color **18.8885, 0.3272, 0.2434** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.8375, 0.3011, 0.4332**, and the grayscale version is **20.0759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5259, 0.3244, 0.2603**, and **6.5111, 0.3302, 0.2144** is the 20% darker color. If you saturate the color by 10%, you get **16.0765, 0.3317, 0.2236**, and if you desaturate by 10%, it is **22.3245, 0.3230, 0.2647**.

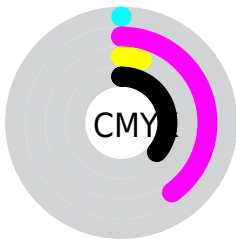
Distribution



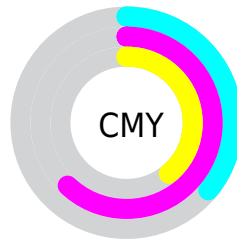
- Red (64%)
- Green (38%)
- Blue (61%)



- Red (64%)
- Yellow (38%)
- Blue (61%)



- Cyan (0%)
- Magenta (40%)
- Yellow (5%)
- Black (36%)





- Cyan (36%)
- Magenta (62%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8885, 0.3272, 0.2434 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 18.8885, 0.3272, 0.2434 by changing the saturation by 10% instead.


 18.8885, 0.3272,
0.2434

 18.8885, 0.3272,
0.2434


245.8325, 0.3202,
0.2893


 11.5897, 0.3287,
0.2309


 41.5456, 0.3248,
0.2608

 6.4650, 0.3305,
0.2143


 57.6727, 0.3238,
0.2672

 3.1298, 0.3324,
0.1912

 77.5115, 0.3230,
0.2724

 1.1999, 0.3339,
0.1573

 101.4461, 0.3223,
0.2768

 0.0616, 0.3617,
0.0243

129.8612, 0.3217,
0.2806

 0.0000, 0.0000,
0.0000

163.1410, 0.3211,

0.2839

201.6700, 0.3207,
0.2868

■ 18.8885, 0.3272,
0.2434

■ 18.8885, 0.3272,
0.2434

■ 16.0765, 0.3317,
0.2236

■ 22.3245, 0.3230,
0.2647

■ 13.8481, 0.3363,
0.2060

■ 26.4169, 0.3192,
0.2865

■ 12.1619, 0.3411,
0.1917


■ 31.1985, 0.3157,
0.3082


■ 10.9703, 0.3457,
0.1813


■ 36.6996, 0.3127,
0.3292


■ 10.2170, 0.3501,
0.1752

■ 42.9484, 0.3100,
0.3492

 9.7745, 0.3542,
0.1726

 49.9716, 0.3077,
0.3680

 9.7699, 0.3543,
0.1725

 57.7948, 0.3057,
0.3854

 66.4423, 0.3041,
0.4015

 75.9371, 0.3026,
0.4161

Harmonies

Analogous

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



18.8885, 0.2548, 0.2182



18.8885, 0.3272, 0.2434



18.8885, 0.4040, 0.2862

Triad

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



18.8885, 0.3272, 0.2434



18.8885, 0.4226, 0.4457



18.8885, 0.1881, 0.2921

Complementary

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



18.8885, 0.3272, 0.2434



29.8375, 0.3011, 0.4332

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.



18.8885, 0.2233, 0.3707



18.8885, 0.3272, 0.2434



18.8885, 0.3578, 0.4699

Square

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



18.8885, 0.3272, 0.2434



18.8885, 0.4605, 0.3957



18.8885, 0.2848, 0.4435



18.8885, 0.1825, 0.2386

Rectangle

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



18.8885, 0.3272, 0.2434



18.8885, 0.4428, 0.3210



18.8885, 0.2848, 0.4435



18.8885, 0.1965, 0.3164

Sweetspot

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



18.8894, 0.3272, 0.2434



53.7490, 0.3165, 0.3032



14.4174, 0.2487, 0.2125



11.8298, 0.3169, 0.3005



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



18.8894, 0.3272, 0.2434



29.2396, 0.3312, 0.2254



17.9504, 0.3719, 0.2897



7.1871, 0.3155, 0.3095



7.5957, 0.3539, 0.1723



0.1635, 0.3405, 0.1649

Inverse Universe

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



18.8894, 0.3272, 0.2434



29.2396, 0.3312, 0.2254



30.6345, 0.2767, 0.3729



7.1871, 0.3155, 0.3095



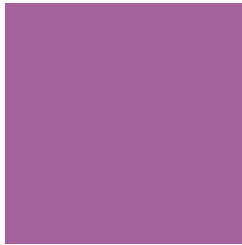
7.5957, 0.3539, 0.1723



0.1635, 0.3405, 0.1649

Previews

White Background



This preview shows how the Yxy color 18.8885, 0.3272, 0.2434 looks on a white background.

Color Contrast Check

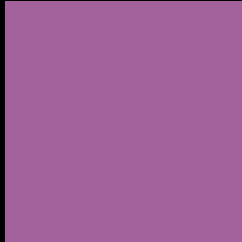
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8885, 0.3272, 0.2434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

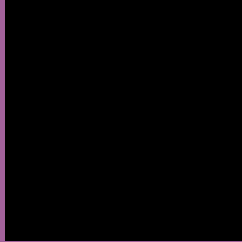
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8885, 0.3272, 0.2434

Background



This preview shows how black text looks on a background with the Yxy color 18.8885, 0.3272, 0.2434.



This preview shows how white text looks on a background with the Yxy color 18.8885, 0.3272, 0.2434.

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

18.8885, 0.3272, 0.2434

Protanopia

19.1372, 0.2469, 0.2389

Deuteranopia

18.9731, 0.2760, 0.2699



Tritanopia

18.7921, 0.3749, 0.3161

Trichromacy



Original Color

18.8885, 0.3272, 0.2434

Protanomaly

18.5211, 0.2714, 0.2385

Deuteranomaly

18.7042, 0.2939, 0.2595

Tritanomaly

18.7591, 0.3573, 0.2876

Monochromacy



Original Color

18.8885, 0.3272, 0.2434

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.4140, 0.3181, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8885, 0.3272, 0.2434 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(163, 98, 155)` looks like.

```
.text, #text, p{  
    color:rgb(163, 98, 155)  
}
```

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(163, 98, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 98, 155) }
```

Border

The CSS property to change the border of an element to Yxy 18.8885, 0.3272, 0.2434 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(163, 98, 155) }
```

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

```
.border{ border-color:rgb(163, 98, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 98, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 98, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 98, 155);  
box-shadow:4px 4px 4px 4px rgb(163, 98,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8885, 0.3272, 0.2434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 98, 155) }
```

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

```
.background{ background-color: rgb(163, 98,  
155) }
```

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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