

Converting Colors

$Y_{xy}(11.6840, 0.3152, 0.1823)$

Have a look what the booklet for
Yxy(11.6840, 0.3152, 0.1823)
contains.

Yxy(11.6803, 0.3151, 0.1823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.6803, 0.3151, 0.1823)

Conversions

Conversions Part 1

Format	Color
Hex	98369B
RGB	152, 54, 155
RGB Percent	60%, 21%, 61%
CMY	0.4038, 0.7883, 0.3921
CMYK	0.02, 0.65, 0.00, 0.39
HSL	298°, 48%, 41%
HSV	298°, 65%, 61%
XYZ	20.1890, 11.6803, 32.2025
YIQ	94.8160, 25.9870, 52.1870

Conversions

Conversions Part 2

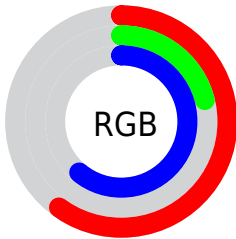
Format	Color
R_{YB}	152, 54, 155
Decimal	9975451
CIE _{Lab}	40.70, 53.92, -35.49
CIE _{LCh}	41, 64.548, 326.648
Yxy	11.6803, 0.3151, 0.1823
Android (android.graphics.Color)	4288165531 (0xFF98369B)
YUV	94.8160, 29.6707, 50.1504
Hunter-Lab	34.1765, 45.6364, -31.9421

Details

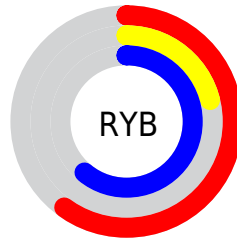
The Yxy color **11.6803, 0.3151, 0.1823** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **24.5784, 0.3050, 0.5327**, and the grayscale version is **11.3187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9336, 0.3171, 0.2120**, and **3.5759, 0.3094, 0.1478** is the 20% darker color. If you saturate the color by 10%, you get **10.4178, 0.3149, 0.1683**, and if you desaturate by 10%, it is **13.4038, 0.3151, 0.2000**.

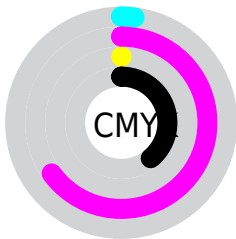
Distribution



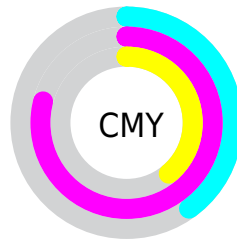
- Red (60%)
- Green (21%)
- Blue (61%)



- Red (60%)
- Yellow (21%)
- Blue (61%)



- Cyan (2%)
- Magenta (65%)
- Yellow (0%)
- Black (39%)





- Cyan (40%)
- Magenta (79%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6803, 0.3151, 0.1823 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 11.6803, 0.3151, 0.1823 by changing the saturation by 10% instead.


 11.6803, 0.3151,
0.1823


 11.6803, 0.3151,
0.1823


 202.2772, 0.3173,
0.2611

 6.5264, 0.3128,
0.1615


 28.9115, 0.3170,
0.2120


 3.1677, 0.3083,
0.1346


 41.7575, 0.3174,
0.2229


 1.2199, 0.2993,
0.0994

 57.9364, 0.3175,
0.2319


 0.0779, 0.2913,
0.0149

 77.8325, 0.3176,
0.2396

 0.0000, 0.1926,
0.0000

 101.8303, 0.3175,
0.2462

 0.0000, 0.0000,
0.0000

 130.3140, 0.3175,

0.2518

163.6682, 0.3174,
0.2568

■ 11.6803, 0.3151,
0.1823

■ 11.6803, 0.3151,
0.1823

■ 10.4178, 0.3149,
0.1683

■ 13.4038, 0.3151,
0.2000

■ 9.5691, 0.3145,
0.1583

■ 15.6261, 0.3150,
0.2208

■ 9.0761, 0.3140,
0.1524

■ 18.3832, 0.3146,
0.2437

■ 8.8930, 0.3137,
0.1502

■ 21.7071, 0.3142,
0.2679

■ 25.6273, 0.3137,
0.2925

■ 30.1715, 0.3130,
0.3167

■ 35.3654, 0.3124,
0.3401

■ 41.2333, 0.3117,
0.3623

■ 47.7983, 0.3111,
0.3829

Harmonies

Analogous

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



11.6803, 0.1983, 0.1491



11.6803, 0.3151, 0.1823



11.6803, 0.4635, 0.2417

Triad

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



11.6803, 0.3151, 0.1823



11.6803, 0.4903, 0.4927



11.6803, 0.1117, 0.2635

Complementary

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



11.6803, 0.3151, 0.1823



24.5784, 0.3050, 0.5327

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.



11.6803, 0.1617, 0.4261



11.6803, 0.3151, 0.1823



11.6803, 0.3773, 0.5794

Square

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



11.6803, 0.3151, 0.1823



11.6803, 0.5652, 0.3959



11.6803, 0.2599, 0.5775



11.6803, 0.1049, 0.1767

Rectangle

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



11.6803, 0.3151, 0.1823



11.6803, 0.5419, 0.2898



11.6803, 0.2599, 0.5775



11.6803, 0.1228, 0.3099

Sweetspot

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



11.6808, 0.3151, 0.1823



42.0998, 0.3139, 0.2797



6.1100, 0.1907, 0.1307



9.1230, 0.3141, 0.2732



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



11.6808, 0.3151, 0.1823



17.9105, 0.3148, 0.1635



10.6842, 0.4031, 0.2456



6.3144, 0.3133, 0.3070



7.1455, 0.3138, 0.1502



0.1093, 0.3172, 0.1521

Inverse Universe

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



9.8994, 0.5118, 0.3254



14.5264, 0.5763, 0.3261



25.1695, 0.2729, 0.4404



6.2255, 0.3279, 0.3284



5.6062, 0.6358, 0.3276



0.0845, 0.6150, 0.3161

Previews

White Background



This preview shows how the Yxy color 11.6803, 0.3151, 0.1823 looks on a white 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

Black Background



This preview shows how the Yxy color 11.6803, 0.3151, 0.1823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

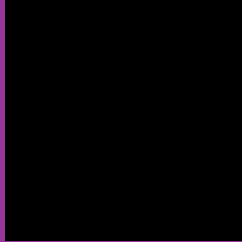
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6803, 0.3151, 0.1823

Background



This preview shows how black text looks on a background with the Yxy color 11.6803, 0.3151, 0.1823.



This preview shows how white text looks on a background with the Yxy color 11.6803, 0.3151, 0.1823.

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

11.6803, 0.3151, 0.1823

Protanopia

11.9415, 0.1812, 0.1543

Deuteranopia

11.8435, 0.2261, 0.2208



Tritanopia

11.6177, 0.4233, 0.3186

Trichromacy



Original Color

11.6803, 0.3151, 0.1823

Protanomaly

10.3831, 0.2040, 0.1522

Deuteranomaly

10.8285, 0.2495, 0.1960

Tritanomaly

11.3494, 0.3808, 0.2591

Monochromacy



Original Color

11.6803, 0.3151, 0.1823

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.7347, 0.3146, 0.2543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6803, 0.3151, 0.1823 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(152, 54, 155)` looks like.

```
.text, #text, p{  
  color:rgb(152, 54, 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(152, 54, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 54, 155) }
```

Border

The CSS property to change the border of an element to Yxy 11.6803, 0.3151, 0.1823 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(152, 54, 155) }
```

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

```
.border{ border-color:rgb(152, 54, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 54, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 54, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 54, 155);  
box-shadow:4px 4px 4px 4px rgb(152, 54,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6803, 0.3151, 0.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 54, 155) }
```

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

```
.background{ background-color: rgb(152, 54,  
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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