

Converting Colors

$Y_{xy}(22.9523, 0.2580, 0.1910)$

Have a look what the booklet for
Yxy(22.9523, 0.2580, 0.1910)
contains.

Yxy(23.0939, 0.2581, 0.1914)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.0939, 0.2581, 0.1914)

Conversions

Conversions Part 1

Format	Color
Hex	9A6FD6
RGB	154, 111, 214
RGB Percent	60%, 44%, 84%
CMY	0.3962, 0.5646, 0.1609
CMYK	0.28, 0.48, 0.00, 0.16
HSL	265°, 56%, 64%
HSV	265°, 48%, 84%
XYZ	31.1418, 23.0939, 66.4221
YIQ	135.5990, -7.4350, 41.1490

Conversions

Conversions Part 2

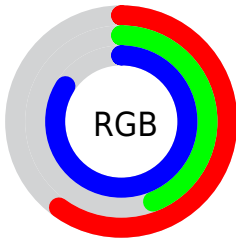
Format	Color
RYB	154, 111, 214
Decimal	10121174
CIELab	55.17, 37.94, -46.92
CIELCh	55, 60.334, 308.958
Yxy	23.0939, 0.2581, 0.1914
Android (android.graphics.Color)	4288311254 (0xFF9A6FD6)
YUV	135.5990, 38.6517, 16.1377
Hunter-Lab	48.0561, 31.5751, -48.3101

Details

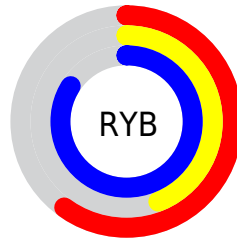
The Yxy color **23.0939, 0.2581, 0.1914** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **57.8941, 0.3483, 0.4612**, and the grayscale version is **24.3186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6198, 0.2817, 0.2306**, and **8.6578, 0.2378, 0.1555** is the 20% darker color. If you saturate the color by 10%, you get **17.8095, 0.2433, 0.1615**, and if you desaturate by 10%, it is **29.6256, 0.2720, 0.2222**.

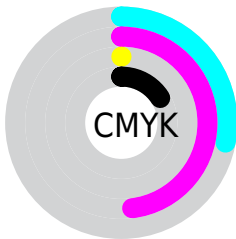
Distribution



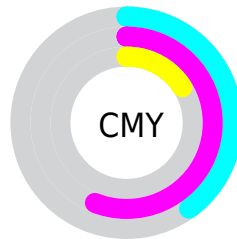
- Red (60%)
- Green (44%)
- Blue (84%)



- Red (60%)
- Yellow (44%)
- Blue (84%)



- Cyan (28%)
- Magenta (48%)
- Yellow (0%)
- Black (16%)




- Cyan (40%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0939, 0.2581, 0.1914 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 23.0939, 0.2581, 0.1914 by changing the saturation by 10% instead.


 23.0939, 0.2581,
0.1914


 23.0939, 0.2581,
0.1914


268.2069, 0.2893,
0.2595


 14.6629, 0.2493,
0.1752


 48.5475, 0.2703,
0.2157

 8.5831, 0.2375,
0.1552


 66.3388, 0.2746,
0.2249

 4.4703, 0.2210,
0.1301


 88.0190, 0.2782,
0.2328

 1.9400, 0.1973,
0.0984

 113.9724, 0.2811,
0.2397

 0.5722, 0.1621,
0.0566

144.5836, 0.2836,
0.2456

 0.0000, 0.0958,
0.0000

180.2368, 0.2858,

 0.0000, 0.0000,

0.2508

0.0000

221.3164, 0.2877,
0.2554

■ 23.0939, 0.2581,
0.1914

■ 23.0939, 0.2581,
0.1914

■ 17.8095, 0.2433,
0.1615

■ 29.6256, 0.2720,
0.2222

■ 13.6847, 0.2282,
0.1342

■ 37.4789, 0.2847,
0.2527

■ 10.6243, 0.2136,
0.1111


■ 46.7250, 0.2960,
0.2817

■ 8.5157, 0.2001,
0.0936

■ 57.4294, 0.3058,
0.3088

■ 7.1967, 0.1884,
0.0819

■ 69.6532, 0.3142,
0.3335

 6.9907, 0.1863,
0.0800

 83.4540, 0.3213,
0.3558

 95.1236, 0.3280,
0.3703

 97.3977, 0.3361,
0.3692

 97.6341, 0.3370,
0.3691

Harmonies

Analogous

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



23.0939, 0.1854, 0.1782



23.0939, 0.2581, 0.1914



23.0939, 0.3623, 0.2299

Triad

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



23.0939, 0.2581, 0.1914



23.0939, 0.4987, 0.4276



23.0939, 0.1741, 0.3502

Complementary

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



23.0939, 0.2581, 0.1914



57.8941, 0.3483, 0.4612

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.



23.0939, 0.2434, 0.4705



23.0939, 0.2581, 0.1914



23.0939, 0.4299, 0.4965

Square

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



23.0939, 0.2581, 0.1914



23.0939, 0.5173, 0.3552



23.0939, 0.3373, 0.5274



23.0939, 0.1437, 0.2487

Rectangle

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



23.0939, 0.2581, 0.1914



23.0939, 0.4347, 0.2669



23.0939, 0.3373, 0.5274



23.0939, 0.1930, 0.3917

Sweetspot

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



23.0948, 0.2581, 0.1914



75.5645, 0.3001, 0.2927



37.3919, 0.2381, 0.2676



15.4532, 0.2979, 0.2867



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.0948, 0.2581, 0.1914



26.1683, 0.2426, 0.1602



29.2642, 0.3093, 0.2100



12.2592, 0.3046, 0.3054



4.2842, 0.1878, 0.0808



0.3064, 0.2075, 0.0917

Inverse Universe

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



28.6087, 0.3663, 0.2571



35.6602, 0.3837, 0.2436



53.1969, 0.3109, 0.4780



12.5410, 0.3201, 0.3155



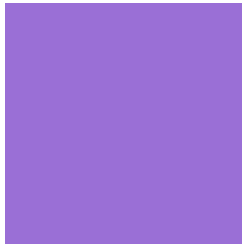
9.5532, 0.4601, 0.2308



0.5925, 0.4296, 0.2140

Previews

White Background



This preview shows how the Yxy color 23.0939, 0.2581, 0.1914 looks on a white background.

Color Contrast Check

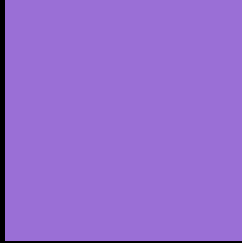
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0939, 0.2581, 0.1914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

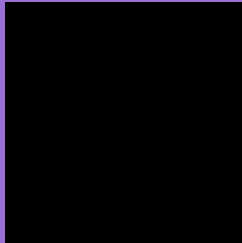
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0939, 0.2581, 0.1914

Background



This preview shows how black text looks on a background with the Yxy color 23.0939, 0.2581, 0.1914.

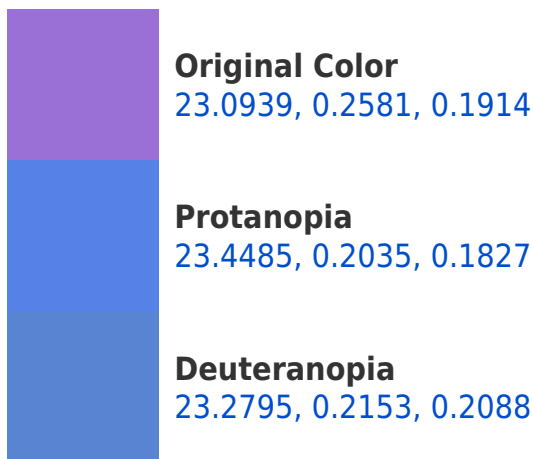


This preview shows how white text looks on a background with the Yxy color 23.0939, 0.2581, 0.1914.

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





Tritanopia

23.1400, 0.3147, 0.3122

Trichromacy



Original Color

23.0939, 0.2581, 0.1914



Protanomaly

22.7348, 0.2185, 0.1833



Deuteranomaly

22.6292, 0.2280, 0.2002



Tritanomaly

22.6920, 0.2922, 0.2599

Monochromacy



Original Color

23.0939, 0.2581, 0.1914



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.6987, 0.2922, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0939, 0.2581, 0.1914 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(154, 111, 214)` looks like.

```
.text, #text, p{  
    color:rgb(154, 111, 214)  
}
```

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(154, 111, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 111, 214) }
```

Border

The CSS property to change the border of an element to Yxy 23.0939, 0.2581, 0.1914 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(154, 111, 214) }
```

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

```
.border{ border-color:rgb(154, 111, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 111, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 111, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 111, 214);  
box-shadow:4px 4px 4px 4px rgb(154, 111,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0939, 0.2581, 0.1914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 111, 214) }
```

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

```
.background{ background-color: rgb(154,  
111, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor