

Converting Colors

$Y_{xy}(23.9019, 0.2840, 0.1979)$

Have a look what the booklet for
Yxy(23.9019, 0.2840, 0.1979)
contains.

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Color

Yxy(23.8873, 0.2845, 0.1979)

Conversions

Conversions Part 1

Format	Color
Hex	B069D0
RGB	176, 105, 208
RGB Percent	69%, 41%, 82%
CMY	0.3098, 0.5882, 0.1843
CMYK	0.15, 0.50, 0.00, 0.18
HSL	281°, 52%, 61%
HSV	281°, 50%, 82%
XYZ	34.3403, 23.8873, 62.4763
YIQ	137.9710, 9.2530, 47.0850

Conversions

Conversions Part 2

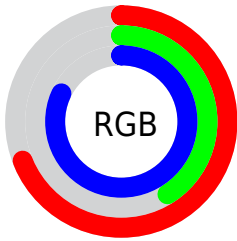
Format	Color
R _Y B	176, 105, 208
Decimal	11561424
CIE Lab	55.97, 45.88, -42.10
CIE LCh	56, 62.268, 317.461
Yxy	23.8873, 0.2845, 0.1979
Android (android.graphics.Color)	4289751504 (0xFFB069D0)
YUV	137.9710, 34.5243, 33.3514
Hunter-Lab	48.8746, 39.8869, -41.5780

Details

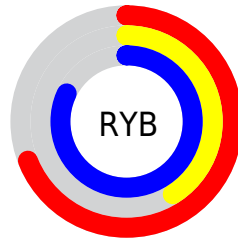
The Yxy color **23.8873, 0.2845, 0.1979** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.4524, 0.3271, 0.4751**, and the grayscale version is **25.2682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9974, 0.2991, 0.2294**, and **9.0032, 0.2717, 0.1636** is the 20% darker color. If you saturate the color by 10%, you get **19.4209, 0.2766, 0.1730**, and if you desaturate by 10%, it is **29.4277, 0.2918, 0.2247**.

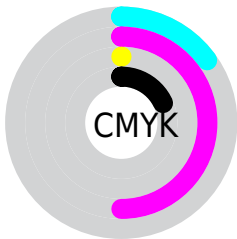
Distribution



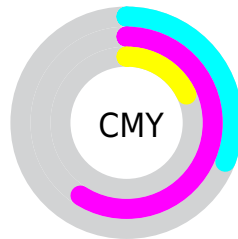
- Red (69%)
- Green (41%)
- Blue (82%)



- Red (69%)
- Yellow (41%)
- Blue (82%)



- Cyan (15%)
- Magenta (50%)
- Yellow (0%)
- Black (18%)




- Cyan (31%)
- Magenta (59%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8873, 0.2845, 0.1979 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 23.8873, 0.2845, 0.1979 by changing the saturation by 10% instead.


 23.8873, 0.2845,
0.1979


 23.8873, 0.2845,
0.1979


272.2502, 0.3020,
0.2625


 15.2500, 0.2791,
0.1825


 49.8462, 0.2916,
0.2209


 8.9951, 0.2716,
0.1634


 67.9367, 0.2941,
0.2297

 4.7380, 0.2607,
0.1393


 89.9470, 0.2960,
0.2372

 2.0943, 0.2440,
0.1084

 116.2616, 0.2977,
0.2437

 0.6614, 0.2170,
0.0679

147.2648, 0.2990,
0.2493

 0.0000, 0.1716,
0.0000

183.3410, 0.3002,

 0.0000, 0.0000,

0.2542

0.0000

224.8747, 0.3011,
0.2586

■ 23.8873, 0.2845,
0.1979

■ 23.8873, 0.2845,
0.1979

■ 19.4209, 0.2766,
0.1730

■ 29.4277, 0.2918,
0.2247

■ 15.9480, 0.2682,
0.1511

■ 36.1087, 0.2983,
0.2521

■ 13.3817, 0.2598,
0.1334


■ 43.9949, 0.3040,
0.2793

■ 11.6179, 0.2514,
0.1204

■ 53.1452, 0.3088,
0.3055

■ 10.4761, 0.2435,
0.1117


■ 63.6146, 0.3129,
0.3302

 10.4263, 0.2431,
0.1113

 75.4547, 0.3162,
0.3531

 88.7144, 0.3190,
0.3740

 92.5202, 0.3227,
0.3777

 93.5955, 0.3269,
0.3771

Harmonies

Analogous

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



23.8873, 0.2004, 0.1769



23.8873, 0.2845, 0.1979



23.8873, 0.3955, 0.2433

Triad

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



23.8873, 0.2845, 0.1979



23.8873, 0.4855, 0.4495



23.8873, 0.1589, 0.3164

Complementary

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



23.8873, 0.2845, 0.1979



51.4524, 0.3271, 0.4751

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.



23.8873, 0.2182, 0.4416



23.8873, 0.2845, 0.1979



23.8873, 0.4060, 0.5146

Square

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



23.8873, 0.2845, 0.1979



23.8873, 0.5225, 0.3752



23.8873, 0.3092, 0.5257



23.8873, 0.1391, 0.2267

Rectangle

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



23.8873, 0.2845, 0.1979



23.8873, 0.4644, 0.2835



23.8873, 0.3092, 0.5257



23.8873, 0.1742, 0.3566

Sweetspot

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



23.8883, 0.2845, 0.1979



75.7918, 0.3062, 0.2908



25.6265, 0.2280, 0.2226



15.5765, 0.3051, 0.2852



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.



23.8883, 0.2845, 0.1979



30.6773, 0.2764, 0.1726



27.1941, 0.3389, 0.2289



11.8171, 0.3089, 0.3057



6.5513, 0.2442, 0.1119



0.4073, 0.2587, 0.1199

Inverse Universe

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



25.3213, 0.4062, 0.2891



33.5160, 0.4375, 0.2828



49.5689, 0.2951, 0.4569



11.8679, 0.3242, 0.3218



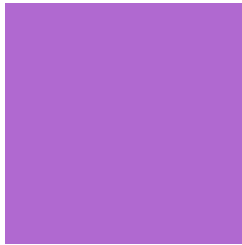
8.6085, 0.5707, 0.2918



0.4956, 0.5179, 0.2626

Previews

White Background



This preview shows how the Yxy color 23.8873, 0.2845, 0.1979 looks on a white background.

Color Contrast Check

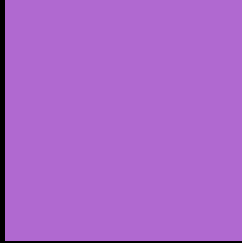
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8873, 0.2845, 0.1979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

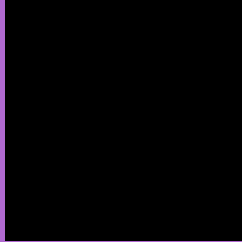
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8873, 0.2845, 0.1979

Background



This preview shows how black text looks on a background with the Yxy color 23.8873, 0.2845, 0.1979.



This preview shows how white text looks on a background with the Yxy color 23.8873, 0.2845, 0.1979.

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

23.8873, 0.2845, 0.1979

Protanopia

24.2325, 0.2057, 0.1854

Deuteranopia

24.1980, 0.2290, 0.2236



Tritanopia

23.8587, 0.3527, 0.3136

Trichromacy



Original Color

23.8873, 0.2845, 0.1979



Protanomaly

23.3117, 0.2266, 0.1875



Deuteranomaly

23.2714, 0.2457, 0.2103



Tritanomaly

23.4639, 0.3265, 0.2646

Monochromacy



Original Color

23.8873, 0.2845, 0.1979



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.2415, 0.3030, 0.2719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8873, 0.2845, 0.1979 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(176, 105, 208)` looks like.

```
.text, #text, p{  
    color:rgb(176, 105, 208)  
}
```

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(176, 105, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 105, 208) }
```

Border

The CSS property to change the border of an element to Yxy 23.8873, 0.2845, 0.1979 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(176, 105, 208) }
```

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

```
.border{ border-color:rgb(176, 105, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 105, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 105, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 105, 208);  
box-shadow:4px 4px 4px 4px rgb(176, 105,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8873, 0.2845, 0.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 105, 208) }
```

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

```
.background{ background-color: rgb(176,  
105, 208) }
```

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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