

Converting Colors

$Y_{xy}(20.1099, 0.2885, 0.2344)$

Have a look what the booklet for
Yxy(20.1099, 0.2885, 0.2344)
contains.

Yxy(19.9885, 0.2877, 0.2331)	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(19.9885, 0.2877, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	926DAB
RGB	146, 109, 171
RGB Percent	57%, 43%, 67%
CMY	0.4276, 0.5725, 0.3294
CMYK	0.15, 0.36, 0.00, 0.33
HSL	276°, 27%, 55%
HSV	276°, 36%, 67%
XYZ	24.6705, 19.9885, 41.0918
YIQ	127.1310, 2.1500, 27.1260

Conversions

Conversions Part 2

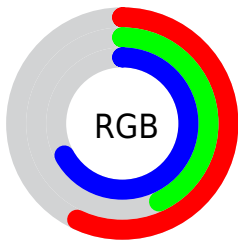
Format	Color
R_{YB}	146, 109, 171
Decimal	9596331
CIE _{Lab}	51.82, 26.60, -27.59
CIE _{LCh}	52, 38.326, 313.950
Yxy	19.9885, 0.2877, 0.2331
Android (android.graphics.Color)	4287786411 (0xFF926DAB)
YUV	127.1310, 21.6274, 16.5481
Hunter-Lab	44.7085, 20.2578, -23.1977

Details

The Yxy color **19.9885, 0.2877, 0.2331** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **35.3075, 0.3300, 0.4289**, and the grayscale version is **21.1945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4533, 0.2938, 0.2518**, and **7.0252, 0.2764, 0.2032** is the 20% darker color. If you saturate the color by 10%, you get **16.0745, 0.2785, 0.2051**, and if you desaturate by 10%, it is **24.6523, 0.2959, 0.2611**.

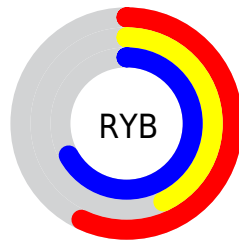
Distribution



Red (57%)

Green (43%)

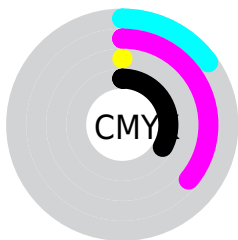
Blue (67%)



Red (57%)

Yellow (43%)

Blue (67%)

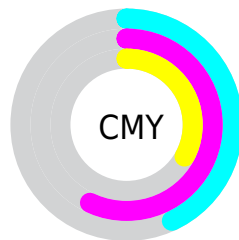


Cyan (15%)

Magenta (36%)

Yellow (0%)

Black (33%)



Cyan (43%)


Magenta (57%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9885, 0.2877, 0.2331 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 19.9885, 0.2877, 0.2331 by changing the saturation by 10% instead.

 19.9885, 0.2877,
0.2331


 19.9885, 0.2877,
0.2331


251.8529, 0.3028,
0.2840


 12.3867, 0.2829,
0.2196


 43.3979, 0.2939,
0.2522


 7.0076, 0.2760,
0.2018


 59.9743, 0.2960,
0.2592

 3.4669, 0.2655,
0.1775

 80.3110, 0.2977,
0.2651

 1.3800, 0.2480,
0.1431

 104.7924, 0.2991,
0.2700

 0.2020, 0.2247,
0.0539

133.8028, 0.3003,
0.2743

 0.0000, 0.0000,
0.0000

167.7268, 0.3013,

0.2779

206.9487, 0.3021,
0.2812

■ 19.9885, 0.2877,
0.2331

■ 19.9885, 0.2877,
0.2331

■ 16.0745, 0.2785,
0.2051

■ 24.6523, 0.2959,
0.2611

■ 12.8657, 0.2684,
0.1781

■ 30.1020, 0.3032,
0.2882

■ 10.3167, 0.2578,
0.1534


■ 36.3744, 0.3093,
0.3139


■ 8.3755, 0.2470,
0.1322


■ 43.5031, 0.3146,
0.3377


■ 6.9820, 0.2365,
0.1156


■ 51.5199, 0.3189,
0.3596


 6.0549, 0.2265,
0.1039

 60.4550, 0.3225,
0.3794

 5.7624, 0.2228,
0.1001

 70.3370, 0.3255,
0.3973

 81.1933, 0.3279,
0.4134

 87.8898, 0.3311,
0.4207

Harmonies

Analogous

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



19.9885, 0.2300, 0.2204



19.9885, 0.2877, 0.2331



19.9885, 0.3600, 0.2653

Triad

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



19.9885, 0.2877, 0.2331



19.9885, 0.4393, 0.4153



19.9885, 0.2106, 0.3334

Complementary

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



19.9885, 0.2877, 0.2331



35.3075, 0.3300, 0.4289

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.



19.9885, 0.2587, 0.4076



19.9885, 0.2877, 0.2331



19.9885, 0.3909, 0.4528

Square

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



19.9885, 0.2877, 0.2331



19.9885, 0.4534, 0.3639



19.9885, 0.3246, 0.4546



19.9885, 0.1898, 0.2688

Rectangle

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



19.9885, 0.2877, 0.2331



19.9885, 0.4053, 0.2949



19.9885, 0.3246, 0.4546



19.9885, 0.2238, 0.3586

Sweetspot

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



19.9893, 0.2877, 0.2331



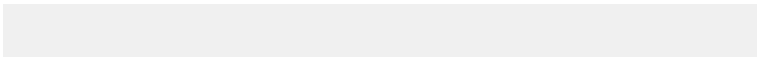
59.3977, 0.3064, 0.3014



23.4778, 0.2544, 0.2678



12.9208, 0.3056, 0.2980



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



19.9893, 0.2877, 0.2331



29.7376, 0.2799, 0.2092



22.3469, 0.3228, 0.2476



7.9843, 0.3076, 0.3062



4.3746, 0.2237, 0.1006



0.1525, 0.2536, 0.1170

Inverse Universe

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



21.3220, 0.3631, 0.2913



32.6485, 0.3806, 0.2825



33.6015, 0.3039, 0.4268



8.0670, 0.3225, 0.3199



6.8612, 0.5324, 0.2706



0.2019, 0.4534, 0.2272

Previews

White Background



This preview shows how the Yxy color 19.9885, 0.2877, 0.2331 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 19.9885, 0.2877, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

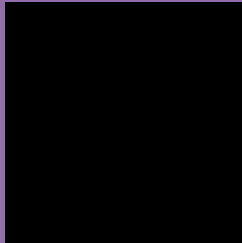
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9885, 0.2877, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 19.9885, 0.2877, 0.2331.



This preview shows how white text looks on a background with the Yxy color 19.9885, 0.2877, 0.2331.

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

19.9885, 0.2877, 0.2331

Protanopia

20.1983, 0.2395, 0.2303

Deuteranopia

20.0612, 0.2546, 0.2496



Tritanopia

19.9781, 0.3287, 0.3133

Trichromacy



Original Color

19.9885, 0.2877, 0.2331

Protanomaly

19.8188, 0.2547, 0.2305

Deuteranomaly

19.7981, 0.2655, 0.2423

Tritanomaly

19.9954, 0.3137, 0.2820

Monochromacy



Original Color

19.9885, 0.2877, 0.2331

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.4844, 0.3038, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9885, 0.2877, 0.2331 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(146, 109, 171)` looks like.

```
.text, #text, p{  
    color:rgb(146, 109, 171)  
}
```

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(146, 109, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 109, 171) }
```

Border

The CSS property to change the border of an element to Yxy 19.9885, 0.2877, 0.2331 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(146, 109, 171) }
```

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

```
.border{ border-color:rgb(146, 109, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 109, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 109, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 109, 171); box-shadow:4px 4px 4px 4px rgb(146, 109, 171) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9885, 0.2877, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 109, 171) }
```

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

```
.background{ background-color: rgb(146,  
109, 171) }
```

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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