

Converting Colors

$Y_{xy}(18.8272, 0.2715, 0.2298)$

Have a look what the booklet for
Yxy(18.8272, 0.2715, 0.2298)
contains.

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Color

Yxy(18.9174, 0.2711, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	836EAB
RGB	131, 110, 171
RGB Percent	51%, 43%, 67%
CMY	0.4862, 0.5686, 0.3294
CMYK	0.23, 0.36, 0.00, 0.33
HSL	261°, 27%, 55%
HSV	261°, 36%, 67%
XYZ	22.2882, 18.9174, 41.0083
YIQ	123.2330, -7.0650, 23.4230

Conversions

Conversions Part 2

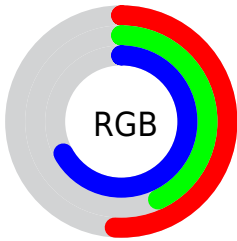
Format	Color
R_{YB}	131, 110, 171
Decimal	8613547
CIE _{Lab}	50.59, 21.30, -29.62
CIE _{LCh}	51, 36.486, 305.721
Yxy	18.9174, 0.2711, 0.2301
Android (android.graphics.Color)	4286803627 (0xFF836EAB)
YUV	123.2330, 23.5491, 6.8117
Hunter-Lab	43.4941, 15.3559, -25.4554

Details

The Yxy color $18.9174, 0.2711, 0.2301$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $36.7380, 0.3445, 0.4225$, and the grayscale version is $19.8114, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.7010, 0.2806, 0.2501$, and $6.4587, 0.2538, 0.1975$ is the 20% darker color. If you saturate the color by 10%, you get $14.7300, 0.2561, 0.1988$, and if you desaturate by 10%, it is $23.9153, 0.2847, 0.2604$.

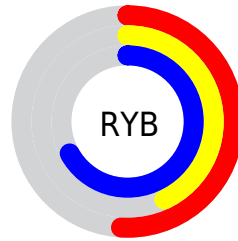
Distribution



Red (51%)

Green (43%)

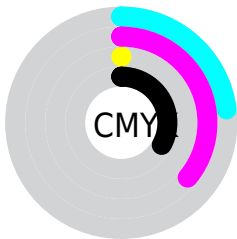
Blue (67%)



Red (51%)

Yellow (43%)

Blue (67%)

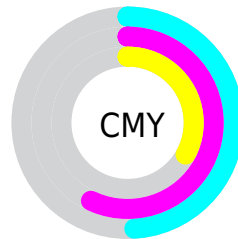


Cyan (23%)

Magenta (36%)

Yellow (0%)

Black (33%)



Cyan (49%)

Magenta (57%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9174, 0.2711, 0.2301 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 18.9174, 0.2711, 0.2301 by changing the saturation by 10% instead.

■ 18.9174, 0.2711,
0.2301

■ 18.9174, 0.2711,
0.2301

245.9924, 0.2955,
0.2832

■ 11.6106, 0.2637,
0.2158

■ 41.5945, 0.2809,
0.2502

■ 6.4791, 0.2533,
0.1969

■ 57.7336, 0.2843,
0.2575

■ 3.1385, 0.2378,
0.1711

■ 77.5855, 0.2870,
0.2636

■ 1.2045, 0.2130,
0.1344

■ 101.5348, 0.2893,
0.2687

■ 0.0654, 0.1746,
0.0196

129.9657, 0.2912,
0.2731

■ 0.0000, 0.0000,
0.0000

163.2626, 0.2928,

0.2769

201.8101, 0.2942,
0.2803

■ 18.9174, 0.2711,
0.2301

■ 18.9174, 0.2711,
0.2301

■ 14.7300, 0.2561,
0.1988

■ 23.9153, 0.2847,
0.2604

■ 11.3066, 0.2402,
0.1679

■ 29.7621, 0.2968,
0.2890

■ 8.5995, 0.2240,
0.1389

■ 36.4966, 0.3074,
0.3152

■ 6.5542, 0.2082,
0.1135

■ 44.1544, 0.3165,
0.3390

■ 5.1084, 0.1937,
0.0935

■ 52.7692, 0.3242,
0.3603

■ 4.1825, 0.1813,
0.0796

■ 62.3729, 0.3308,
0.3792

■ 3.8672, 0.1766,
0.0746

■ 72.9959, 0.3363,
0.3960

■ 84.6674, 0.3410,
0.4108

■ 91.6014, 0.3469,
0.4161

Harmonies

Analogous

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



18.9174, 0.2208, 0.2237



18.9174, 0.2711, 0.2301



18.9174, 0.3391, 0.2568

Triad

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



18.9174, 0.2711, 0.2301



18.9174, 0.4434, 0.4004



18.9174, 0.2239, 0.3535

Complementary

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



18.9174, 0.2711, 0.2301



36.7380, 0.3445, 0.4225

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.



18.9174, 0.2769, 0.4215



18.9174, 0.2711, 0.2301



18.9174, 0.4043, 0.4419

Square

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



18.9174, 0.2711, 0.2301



18.9174, 0.4455, 0.3491



18.9174, 0.3430, 0.4548



18.9174, 0.1959, 0.2857

Rectangle

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



18.9174, 0.2711, 0.2301



18.9174, 0.3854, 0.2835



18.9174, 0.3430, 0.4548



18.9174, 0.2392, 0.3779

Sweetspot

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



18.9182, 0.2711, 0.2301



58.5020, 0.3017, 0.3010



28.2829, 0.2589, 0.2953



12.6998, 0.3003, 0.2975



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.



18.9182, 0.2711, 0.2301



27.7067, 0.2591, 0.2049



21.6524, 0.3049, 0.2392



7.8863, 0.3037, 0.3059



2.9417, 0.1775, 0.0752



0.1127, 0.2141, 0.0953

Inverse Universe

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



22.0121, 0.3420, 0.2700



34.2180, 0.3510, 0.2567



34.2594, 0.3165, 0.4312



8.1005, 0.3188, 0.3142



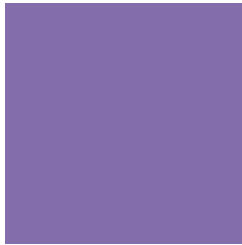
7.4207, 0.4296, 0.2140



0.2162, 0.3892, 0.1918

Previews

White Background



This preview shows how the Yxy color 18.9174, 0.2711, 0.2301 looks on a white background.

Color Contrast Check

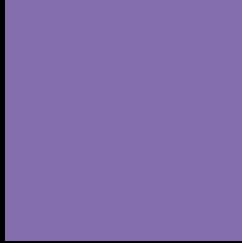
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9174, 0.2711, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

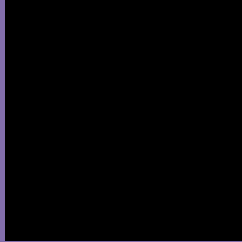
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9174, 0.2711, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 18.9174, 0.2711, 0.2301.



This preview shows how white text looks on a background with the Yxy color 18.9174, 0.2711, 0.2301.

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

18.9174, 0.2711, 0.2301

Protanopia

19.1747, 0.2383, 0.2284

Deuteranopia

18.9418, 0.2466, 0.2414



Tritanopia

18.9631, 0.3073, 0.3123

Trichromacy



Original Color

18.9174, 0.2711, 0.2301

Protanomaly

19.0307, 0.2495, 0.2297

Deuteranomaly

18.9038, 0.2545, 0.2368

Tritanomaly

18.9400, 0.2932, 0.2793

Monochromacy



Original Color

18.9174, 0.2711, 0.2301

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.2859, 0.2976, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9174, 0.2711, 0.2301 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(131, 110, 171)` looks like.

```
.text, #text, p{  
    color:rgb(131, 110, 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(131, 110, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 110, 171) }
```

Border

The CSS property to change the border of an element to Yxy 18.9174, 0.2711, 0.2301 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(131, 110, 171) }
```

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

```
.border{ border-color:rgb(131, 110, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 110, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 110, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 110, 171);  
box-shadow:4px 4px 4px 4px rgb(131, 110,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9174, 0.2711, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 110, 171) }
```

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

```
.background{ background-color: rgb(131,  
110, 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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