

Converting Colors

$Y_{xy}(18.9427, 0.2901, 0.2193)$

Have a look what the booklet for
Yxy(18.9427, 0.2901, 0.2193)
contains.

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Color

Yxy(18.9427, 0.2901, 0.2193)

Conversions

Conversions Part 1

Format	Color
Hex	9765AE
RGB	151, 101, 174
RGB Percent	59%, 40%, 68%
CMY	0.4078, 0.6039, 0.3177
CMYK	0.13, 0.42, 0.00, 0.32
HSL	281°, 31%, 54%
HSV	281°, 42%, 68%
XYZ	25.0583, 18.9427, 42.3771
YIQ	124.2720, 6.3670, 33.3030

Conversions

Conversions Part 2

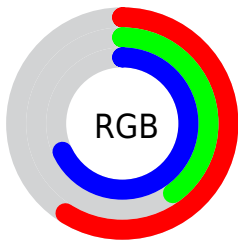
Format	Color
R _Y B	151, 101, 174
Decimal	9921966
CIE _{Lab}	50.62, 33.45, -31.16
CIE _{LCh}	51, 45.717, 317.031
Yxy	18.9427, 0.2901, 0.2193
Android (android.graphics.Color)	4288112046 (0xFF9765AE)
YUV	124.2720, 24.5159, 23.4405
Hunter-Lab	43.5232, 26.6048, -27.2624

Details

The Yxy color **18.9427, 0.2901, 0.2193** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **35.4925, 0.3261, 0.4488**, and the grayscale version is **20.1671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6174, 0.2956, 0.2406**, and **6.4331, 0.2779, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **15.4032, 0.2827, 0.1931**, and if you desaturate by 10%, it is **23.2234, 0.2968, 0.2464**.

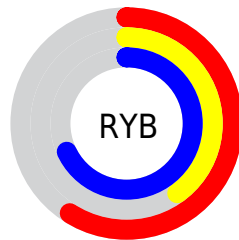
Distribution



Red (59%)

Green (40%)

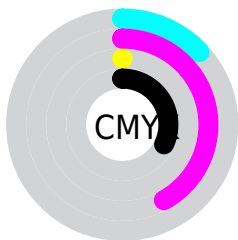
Blue (68%)



Red (59%)

Yellow (40%)

Blue (68%)

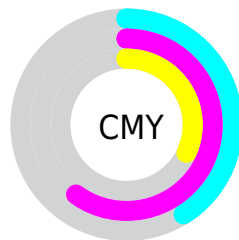


Cyan (13%)

Magenta (42%)

Yellow (0%)

Black (32%)



Cyan (41%)


Magenta (60%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9427, 0.2901, 0.2193 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 18.9427, 0.2901, 0.2193 by changing the saturation by 10% instead.


 18.9427, 0.2901,
0.2193


 18.9427, 0.2901,
0.2193


246.1323, 0.3044,
0.2770


 11.6289, 0.2853,
0.2042


 41.6373, 0.2961,
0.2408


 6.4915, 0.2784,
0.1846


 57.7868, 0.2981,
0.2488

 3.1462, 0.2677,
0.1582


 77.6503, 0.2997,
0.2554

 1.2085, 0.2497,
0.1219

 101.6123, 0.3010,
0.2610

 0.0686, 0.2284,
0.0178

130.0571, 0.3021,
0.2659

 0.0000, 0.0000,
0.0000

163.3691, 0.3030,

0.2701

201.9327, 0.3038,
0.2738

■ 18.9427, 0.2901,
0.2193

■ 18.9427, 0.2901,
0.2193

■ 15.4032, 0.2827,
0.1931

■ 23.2234, 0.2968,
0.2464

■ 12.5566, 0.2746,
0.1688

■ 28.2847, 0.3027,
0.2734

■ 10.3526, 0.2663,
0.1478

■ 34.1662, 0.3077,
0.2996

■ 8.7328, 0.2578,
0.1308

■ 40.9038, 0.3120,
0.3244

■ 7.6281, 0.2495,
0.1185

■ 48.5316, 0.3155,
0.3474

■ 6.9943, 0.2431,
0.1113

■ 57.0815, 0.3184,
0.3686

■ 66.5839, 0.3207,
0.3880

■ 77.0680, 0.3226,
0.4055

■ 86.8972, 0.3244,
0.4189

Harmonies

Analogous

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



18.9427, 0.2199, 0.2018



18.9427, 0.2901, 0.2193



18.9427, 0.3783, 0.2582

Triad

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



18.9427, 0.2901, 0.2193



18.9427, 0.4580, 0.4337



18.9427, 0.1871, 0.3231

Complementary

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



18.9427, 0.2901, 0.2193



35.4925, 0.3261, 0.4488

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.



18.9427, 0.2393, 0.4174



18.9427, 0.2901, 0.2193



18.9427, 0.3955, 0.4802

Square

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



18.9427, 0.2901, 0.2193



18.9427, 0.4827, 0.3728



18.9427, 0.3156, 0.4815



18.9427, 0.1676, 0.2489

Rectangle

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



18.9427, 0.2901, 0.2193



18.9427, 0.4324, 0.2930



18.9427, 0.3156, 0.4815



18.9427, 0.2010, 0.3542

Sweetspot

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



18.9435, 0.2901, 0.2193



60.5326, 0.3071, 0.2963



20.2656, 0.2426, 0.2430



12.9186, 0.3061, 0.2907



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.9435, 0.2901, 0.2193



28.5669, 0.2835, 0.1958



20.8641, 0.3337, 0.2442



8.0198, 0.3089, 0.3063



5.1060, 0.2439, 0.1117



0.1694, 0.2682, 0.1251

Inverse Universe

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



19.7590, 0.3841, 0.2948



30.4152, 0.4078, 0.2881



34.2601, 0.2974, 0.4324



8.0553, 0.3239, 0.3219



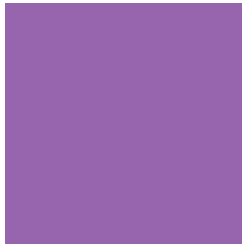
6.7349, 0.5670, 0.2897



0.1974, 0.4813, 0.2425

Previews

White Background



This preview shows how the Yxy color 18.9427, 0.2901, 0.2193 looks on a white background.

Color Contrast Check

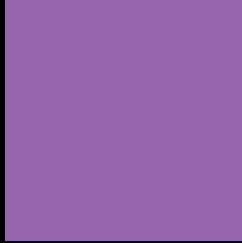
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9427, 0.2901, 0.2193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

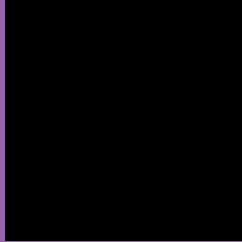
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9427, 0.2901, 0.2193

Background



This preview shows how black text looks on a background with the Yxy color 18.9427, 0.2901, 0.2193.



This preview shows how white text looks on a background with the Yxy color 18.9427, 0.2901, 0.2193.

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

18.9427, 0.2901, 0.2193

Protanopia

19.3007, 0.2263, 0.2131

Deuteranopia

19.2188, 0.2461, 0.2418



Tritanopia

19.0304, 0.3425, 0.3151

Trichromacy



Original Color

18.9427, 0.2901, 0.2193

Protanomaly

18.6939, 0.2444, 0.2124

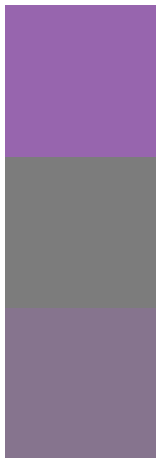
Deuteranomaly

18.7436, 0.2600, 0.2320

Tritanomaly

18.9417, 0.3229, 0.2773

Monochromacy



Original Color

18.9427, 0.2901, 0.2193

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.5121, 0.3050, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9427, 0.2901, 0.2193 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(151, 101, 174)` looks like.

```
.text, #text, p{  
    color:rgb(151, 101, 174)  
}
```

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(151, 101, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 101, 174) }
```

Border

The CSS property to change the border of an element to Yxy 18.9427, 0.2901, 0.2193 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(151, 101, 174) }
```

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

```
.border{ border-color:rgb(151, 101, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 101, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 101, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 101, 174);  
box-shadow:4px 4px 4px 4px rgb(151, 101,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9427, 0.2901, 0.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 101, 174) }
```

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

```
.background{ background-color: rgb(151,  
101, 174) }
```

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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