

Converting Colors

$Y_{xy}(20.0150, 0.3102, 0.2556)$

Have a look what the booklet for
Yxy(20.0150, 0.3102, 0.2556)
contains.

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Color

Yxy(19.9169, 0.3100, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	976D9C
RGB	151, 109, 156
RGB Percent	59%, 43%, 61%
CMY	0.4078, 0.5725, 0.3882
CMYK	0.03, 0.30, 0.00, 0.39
HSL	294°, 19%, 52%
HSV	294°, 30%, 61%
XYZ	24.2317, 19.9169, 34.0182
YIQ	126.9160, 9.9450, 23.5210

Conversions

Conversions Part 2

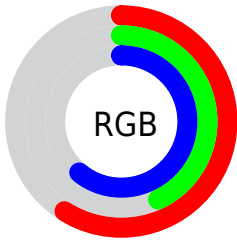
Format	Color
R_{YB}	151, 109, 156
Decimal	9923996
CIE _{Lab}	51.74, 25.05, -18.91
CIE _{LCh}	52, 31.385, 322.945
Yxy	19.9169, 0.3100, 0.2548
Android (android.graphics.Color)	4288114076 (0xFF976D9C)
YUV	126.9160, 14.3384, 21.1217
Hunter-Lab	44.6284, 18.8199, -13.9543

Details

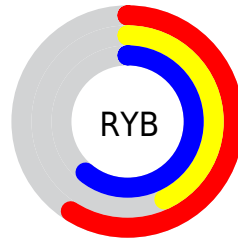
The Yxy color **19.9169, 0.3100, 0.2548** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.4576, 0.3135, 0.4132**, and the grayscale version is **21.1410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3147, 0.3110, 0.2697**, and **7.0101, 0.3060, 0.2291** is the 20% darker color. If you saturate the color by 10%, you get **16.7219, 0.3085, 0.2302**, and if you desaturate by 10%, it is **23.7065, 0.3112, 0.2799**.

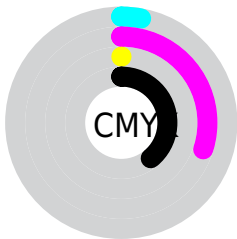
Distribution



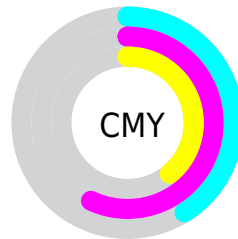
- Red (59%)
- Green (43%)
- Blue (61%)



- Red (59%)
- Yellow (43%)
- Blue (61%)



- Cyan (3%)
- Magenta (30%)
- Yellow (0%)
- Black (39%)





- Cyan (41%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9169, 0.3100, 0.2548 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 19.9169, 0.3100, 0.2548 by changing the saturation by 10% instead.


 19.9169, 0.3100,
0.2548


 19.9169, 0.3100,
0.2548


251.4649, 0.3124,
0.2948


 12.3347, 0.3089,
0.2438


 43.2778, 0.3112,
0.2701

 6.9720, 0.3072,
0.2290


 59.8253, 0.3115,
0.2756

 3.4446, 0.3042,
0.2083

 80.1299, 0.3118,
0.2802

 1.3680, 0.2982,
0.1773

 104.5762, 0.3119,
0.2840

 0.1930, 0.3012,
0.0731

133.5484, 0.3121,
0.2873

 0.0000, 0.0000,
0.0000

167.4310, 0.3122,

0.2902

206.6084, 0.3123,
0.2927

■ 19.9169, 0.3100,
0.2548

■ 19.9169, 0.3100,
0.2548

■ 16.7219, 0.3085,
0.2302

■ 23.7065, 0.3112,
0.2799

■ 14.0878, 0.3068,
0.2071

■ 28.1172, 0.3121,
0.3047

■ 11.9812, 0.3047,
0.1863

■ 33.1767, 0.3127,
0.3287

■ 10.3643, 0.3024,
0.1688

■ 38.9106, 0.3131,
0.3515

■ 9.1942, 0.2999,
0.1552

■ 45.3429, 0.3134,
0.3727

■ 8.4206, 0.2973,
0.1458

■ 52.4965, 0.3135,
0.3923

■ 7.9248, 0.2946,
0.1397

■ 60.3933, 0.3135,
0.4102

■ 69.0541, 0.3134,
0.4265

■ 78.4991, 0.3132,
0.4413

Harmonies

Analogous

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



19.9169, 0.2567, 0.2387



19.9169, 0.3100, 0.2548



19.9169, 0.3693, 0.2867

Triad

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



19.9169, 0.3100, 0.2548



19.9169, 0.4089, 0.4136



19.9169, 0.2198, 0.3161

Complementary

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



19.9169, 0.3100, 0.2548



28.4576, 0.3135, 0.4132

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.



19.9169, 0.2545, 0.3756



19.9169, 0.3100, 0.2548



19.9169, 0.3634, 0.4348

Square

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



19.9169, 0.3100, 0.2548



19.9169, 0.4289, 0.3738



19.9169, 0.3068, 0.4224



19.9169, 0.2086, 0.2683

Rectangle

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



19.9169, 0.3100, 0.2548



19.9169, 0.4023, 0.3139



19.9169, 0.3068, 0.4224



19.9169, 0.2289, 0.3356

Sweetspot

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



19.9178, 0.3100, 0.2548



51.8892, 0.3121, 0.3070



17.7963, 0.2622, 0.2539



11.1595, 0.3120, 0.3037



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.9178, 0.3100, 0.2548



32.2359, 0.3091, 0.2385



19.8402, 0.3384, 0.2825



6.7188, 0.3121, 0.3068



6.5368, 0.2948, 0.1398



0.1261, 0.3060, 0.1459

Inverse Universe

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



19.2207, 0.3709, 0.3209



30.7977, 0.3893, 0.3191



28.5603, 0.2936, 0.3807



6.6570, 0.3268, 0.3267



5.8568, 0.6244, 0.3213



0.1077, 0.5624, 0.2872

Previews

White Background



This preview shows how the Yxy color 19.9169, 0.3100, 0.2548 looks on a white background.

Color Contrast Check

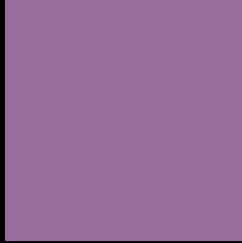
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9169, 0.3100, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

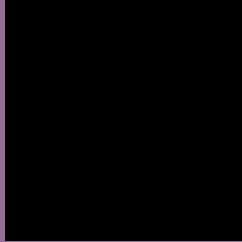
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9169, 0.3100, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 19.9169, 0.3100, 0.2548.



This preview shows how white text looks on a background with the Yxy color 19.9169, 0.3100, 0.2548.

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

19.9169, 0.3100, 0.2548

Protanopia

20.0517, 0.2572, 0.2528

Deuteranopia

20.0009, 0.2767, 0.2711



Tritanopia

19.9197, 0.3434, 0.3138

Trichromacy



Original Color

19.9169, 0.3100, 0.2548

Protanomaly

19.7668, 0.2751, 0.2530

Deuteranomaly

19.9144, 0.2875, 0.2646

Tritanomaly

19.8837, 0.3299, 0.2908

Monochromacy



Original Color

19.9169, 0.3100, 0.2548

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.5022, 0.3117, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9169, 0.3100, 0.2548 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, 109, 156)` looks like.

```
.text, #text, p{  
    color:rgb(151, 109, 156)  
}
```

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, 109, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 109, 156) }
```

Border

The CSS property to change the border of an element to Yxy 19.9169, 0.3100, 0.2548 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, 109, 156) }
```

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

```
.border{ border-color:rgb(151, 109, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 109, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 109, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 109, 156);  
box-shadow:4px 4px 4px 4px rgb(151, 109,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9169, 0.3100, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 109, 156) }
```

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

```
.background{ background-color: rgb(151,  
109, 156) }
```

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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