

Converting Colors

$Y_{xy}(18.8049, 0.3045, 0.2285)$

Have a look what the booklet for
Yxy(18.8049, 0.3045, 0.2285)
contains.

Yxy(18.7448, 0.3049, 0.2281)	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(18.7448, 0.3049, 0.2281)

Conversions

Conversions Part 1

Format	Color
Hex	9C63A6
RGB	156, 99, 166
RGB Percent	61%, 39%, 65%
CMY	0.3882, 0.6118, 0.3490
CMYK	0.06, 0.40, 0.00, 0.35
HSL	291°, 27%, 52%
HSV	291°, 40%, 65%
XYZ	25.0561, 18.7448, 38.3771
YIQ	123.6810, 12.4650, 32.9210

Conversions

Conversions Part 2

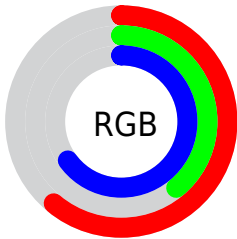
Format	Color
R _Y B	156, 99, 166
Decimal	10249126
CIE _{Lab}	50.39, 34.45, -26.81
CIE _{LCh}	50, 43.653, 322.101
Y _{xy}	18.7448, 0.3049, 0.2281
Android (android.graphics.Color)	4288439206 (0xFF9C63A6)
YUV	123.6810, 20.8633, 28.3438
Hunter-Lab	43.2953, 27.5358, -22.2482

Details

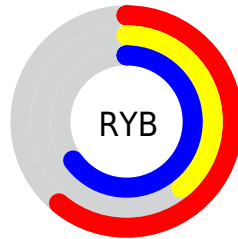
The Yxy color **18.7448, 0.3049, 0.2281** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.4274, 0.3156, 0.4469**, and the grayscale version is **19.9713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3507, 0.3083, 0.2486**, and **6.3797, 0.2980, 0.1946** is the 20% darker color. If you saturate the color by 10%, you get **15.6722, 0.3020, 0.2043**, and if you desaturate by 10%, it is **22.4706, 0.3074, 0.2533**.

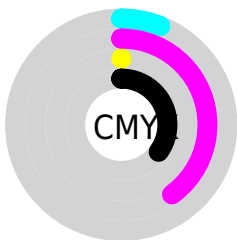
Distribution



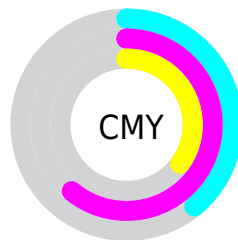
- Red (61%)
- Green (39%)
- Blue (65%)



- Red (61%)
- Yellow (39%)
- Blue (65%)



- Cyan (6%)
- Magenta (40%)
- Yellow (0%)
- Black (35%)




- Cyan (39%)
- Magenta (61%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7448, 0.3049, 0.2281 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 18.7448, 0.3049, 0.2281 by changing the saturation by 10% instead.


 18.7448, 0.3049,
0.2281


 18.7448, 0.3049,
0.2281


245.0363, 0.3108,
0.2816


 11.4860, 0.3025,
0.2139


 41.3024, 0.3077,
0.2482


 6.3947, 0.2989,
0.1952


 57.3701, 0.3085,
0.2556

 3.0866, 0.2927,
0.1697

 77.1428, 0.3091,
0.2617

 1.1771, 0.2812,
0.1338

 101.0050, 0.3096,
0.2669

 0.0429, 0.2759,
0.0134

129.3410, 0.3100,
0.2714

 0.0000, 0.0000,
0.0000

162.5353, 0.3104,

0.2753

200.9723, 0.3106,
0.2786

■ 18.7448, 0.3049,
0.2281

■ 18.7448, 0.3049,
0.2281

■ 15.6722, 0.3020,
0.2043

■ 22.4706, 0.3074,
0.2533

■ 13.2104, 0.2987,
0.1827

■ 26.8838, 0.3096,
0.2788

■ 11.3159, 0.2951,
0.1644

■ 32.0189, 0.3113,
0.3039

■ 9.9384, 0.2913,
0.1501

■ 37.9075, 0.3127,
0.3281

■ 9.0185, 0.2875,
0.1401

■ 44.5793, 0.3137,
0.3510

■ 8.4360, 0.2837,
0.1337

■ 52.0624, 0.3145,
0.3723

■ 60.3835, 0.3150,
0.3918

■ 69.5680, 0.3154,
0.4097

■ 79.6403, 0.3156,
0.4259

Harmonies

Analogous

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



18.7448, 0.2330, 0.2074



18.7448, 0.3049, 0.2281



18.7448, 0.3898, 0.2689

Triad

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



18.7448, 0.3049, 0.2281



18.7448, 0.4448, 0.4398



18.7448, 0.1863, 0.3096

Complementary

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



18.7448, 0.3049, 0.2281



31.4274, 0.3156, 0.4469

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.



18.7448, 0.2318, 0.3987



18.7448, 0.3049, 0.2281



18.7448, 0.3808, 0.4784

Square

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



18.7448, 0.3049, 0.2281



18.7448, 0.4754, 0.3823



18.7448, 0.3029, 0.4682



18.7448, 0.1724, 0.2436

Rectangle

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



18.7448, 0.3049, 0.2281



18.7448, 0.4384, 0.3039



18.7448, 0.3029, 0.4682



18.7448, 0.1980, 0.3382

Sweetspot

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



18.7456, 0.3049, 0.2281



56.2713, 0.3110, 0.2993



16.3544, 0.2425, 0.2266



12.3249, 0.3108, 0.2962



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.7456, 0.3049, 0.2281



29.1903, 0.3024, 0.2077



19.0013, 0.3475, 0.2629



7.6091, 0.3115, 0.3066



6.5570, 0.2841, 0.1339



0.1744, 0.2971, 0.1410

Inverse Universe

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



18.1358, 0.3967, 0.3135



28.0239, 0.4247, 0.3105



31.3442, 0.2895, 0.4065



7.5599, 0.3263, 0.3257



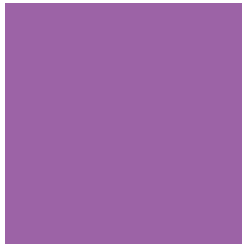
6.3448, 0.6163, 0.3169



0.1596, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 18.7448, 0.3049, 0.2281 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 18.7448, 0.3049, 0.2281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

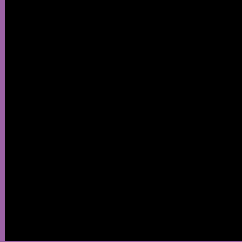
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7448, 0.3049, 0.2281

Background



This preview shows how black text looks on a background with the Yxy color 18.7448, 0.3049, 0.2281.



This preview shows how white text looks on a background with the Yxy color 18.7448, 0.3049, 0.2281.

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

18.7448, 0.3049, 0.2281

Protanopia

18.8897, 0.2334, 0.2221

Deuteranopia

18.9904, 0.2569, 0.2528



Tritanopia

18.6348, 0.3558, 0.3138

Trichromacy



Original Color

18.7448, 0.3049, 0.2281

Protanomaly

18.4254, 0.2543, 0.2218

Deuteranomaly

18.5927, 0.2724, 0.2427

Tritanomaly

18.5278, 0.3379, 0.2798

Monochromacy



Original Color

18.7448, 0.3049, 0.2281

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.3598, 0.3109, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7448, 0.3049, 0.2281 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(156, 99, 166)` looks like.

```
.text, #text, p{  
  color:rgb(156, 99, 166)  
}
```

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(156, 99, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 99, 166) }
```

Border

The CSS property to change the border of an element to Yxy 18.7448, 0.3049, 0.2281 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(156, 99, 166) }
```

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

```
.border{ border-color:rgb(156, 99, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 99, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 99, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 99, 166); box-shadow:4px 4px 4px 4px rgb(156, 99, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7448, 0.3049, 0.2281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 99, 166) }
```

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

```
.background{ background-color: rgb(156, 99,  
166) }
```

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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