

Converting Colors

$Y_{xy}(18.5505, 0.2904, 0.2253)$

Have a look what the booklet for
Yxy(18.5505, 0.2904, 0.2253)
contains.

Yxy(18.5704, 0.2907, 0.2254)	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(18.5704, 0.2907, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	9366A9
RGB	147, 102, 169
RGB Percent	58%, 40%, 66%
CMY	0.4234, 0.6000, 0.3372
CMYK	0.13, 0.40, 0.00, 0.34
HSL	280°, 28%, 53%
HSV	280°, 40%, 66%
XYZ	23.9504, 18.5704, 39.8679
YIQ	123.0930, 5.3130, 30.3770

Conversions

Conversions Part 2

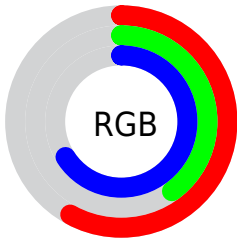
Format	Color
R_{YB}	147, 102, 169
Decimal	9660073
CIE _{Lab}	50.18, 30.55, -28.98
CIE _{LCh}	50, 42.106, 316.513
Yxy	18.5704, 0.2907, 0.2254
Android (android.graphics.Color)	4287850153 (0xFF9366A9)
YUV	123.0930, 22.6322, 20.9664
Hunter-Lab	43.0934, 23.7930, -24.6868

Details

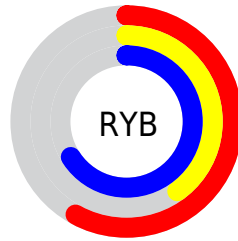
The Yxy color **18.5704, 0.2907, 0.2254** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.6261, 0.3265, 0.4409**, and the grayscale version is **19.7629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0496, 0.2969, 0.2469**, and **6.3556, 0.2788, 0.1916** is the 20% darker color. If you saturate the color by 10%, you get **15.0809, 0.2831, 0.1987**, and if you desaturate by 10%, it is **22.7635, 0.2975, 0.2527**.

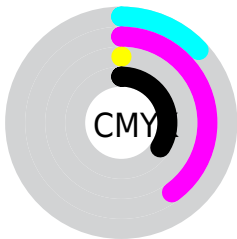
Distribution



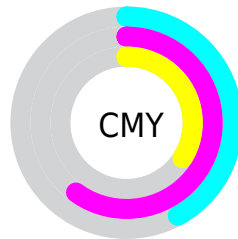
- Red (58%)
- Green (40%)
- Blue (66%)



- Red (58%)
- Yellow (40%)
- Blue (66%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)
- Black (34%)





- Cyan (42%)
- Magenta (60%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5704, 0.2907, 0.2254 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 18.5704, 0.2907, 0.2254 by changing the saturation by 10% instead.


 18.5704, 0.2907,
0.2254


 18.5704, 0.2907,
0.2254


244.0667, 0.3046,
0.2805

 11.3603, 0.2861,
0.2107


 41.0069, 0.2965,
0.2461


 6.3097, 0.2794,
0.1915


 57.0021, 0.2985,
0.2537

 3.0343, 0.2689,
0.1654

 76.6944, 0.3000,
0.2600

 1.1497, 0.2510,
0.1287

 100.4682, 0.3013,
0.2654

 0.0200, 0.2325,
0.0061

128.7080, 0.3023,
0.2700

 0.0000, 0.0000,
0.0000

161.7980, 0.3032,

0.2739

200.1228, 0.3039,
0.2774

■ 18.5704, 0.2907,
0.2254

■ 18.5704, 0.2907,
0.2254

■ 15.0809, 0.2831,
0.1987

■ 22.7635, 0.2975,
0.2527

■ 12.2507, 0.2749,
0.1737

■ 27.6960, 0.3035,
0.2796

■ 10.0345, 0.2662,
0.1515


■ 33.4043, 0.3086,
0.3054

■ 8.3796, 0.2574,
0.1333


■ 39.9214, 0.3128,
0.3298


■ 7.2245, 0.2487,
0.1196

■ 47.2786, 0.3164,
0.3524

 6.4389, 0.2404,
0.1099

 55.5054, 0.3193,
0.3731

 6.4138, 0.2401,
0.1096

 64.6298, 0.3217,
0.3919

 74.6786, 0.3236,
0.4089

 85.6775, 0.3251,
0.4243

Harmonies

Analogous

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



18.5704, 0.2251, 0.2093



18.5704, 0.2907, 0.2254



18.5704, 0.3724, 0.2620

Triad

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



18.5704, 0.2907, 0.2254



18.5704, 0.4498, 0.4275



18.5704, 0.1959, 0.3257

Complementary

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



18.5704, 0.2907, 0.2254



33.6261, 0.3265, 0.4409

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.



18.5704, 0.2459, 0.4118



18.5704, 0.2907, 0.2254



18.5704, 0.3925, 0.4696

Square

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



18.5704, 0.2907, 0.2254



18.5704, 0.4709, 0.3706



18.5704, 0.3179, 0.4698



18.5704, 0.1764, 0.2559

Rectangle

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



18.5704, 0.2907, 0.2254



18.5704, 0.4226, 0.2949



18.5704, 0.3179, 0.4698



18.5704, 0.2093, 0.3544

Sweetspot

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



18.5712, 0.2907, 0.2254



57.0628, 0.3073, 0.2990



20.1879, 0.2472, 0.2509



12.1568, 0.3067, 0.2958



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.



18.5712, 0.2907, 0.2254



27.4580, 0.2837, 0.2008



20.4009, 0.3308, 0.2474



7.5415, 0.3087, 0.3064



4.8088, 0.2409, 0.1101



0.1430, 0.2685, 0.1253

Inverse Universe

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



19.3922, 0.3771, 0.2954



29.3057, 0.4000, 0.2879



32.4033, 0.2990, 0.4275



7.5814, 0.3236, 0.3216



6.5043, 0.5617, 0.2868



0.1676, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 18.5704, 0.2907, 0.2254 looks on a white background.

Color Contrast Check

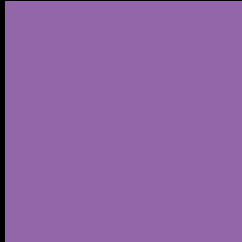
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5704, 0.2907, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

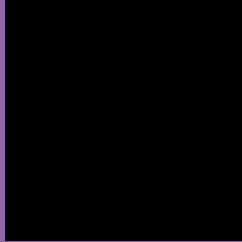
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5704, 0.2907, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 18.5704, 0.2907, 0.2254.



This preview shows how white text looks on a background with the Yxy color 18.5704, 0.2907, 0.2254.

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

18.5704, 0.2907, 0.2254

Protanopia

18.8757, 0.2320, 0.2206

Deuteranopia

18.6531, 0.2496, 0.2442



Tritanopia

18.5443, 0.3388, 0.3132

Trichromacy



Original Color

18.5704, 0.2907, 0.2254

Protanomaly

18.4075, 0.2498, 0.2211

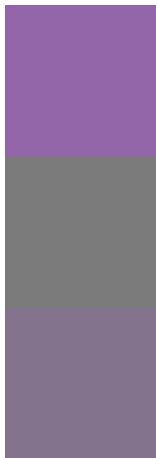
Deuteranomaly

18.3714, 0.2633, 0.2358

Tritanomaly

18.3997, 0.3216, 0.2781

Monochromacy



Original Color

18.5704, 0.2907, 0.2254

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.0605, 0.3048, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5704, 0.2907, 0.2254 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(147, 102, 169)` looks like.

```
.text, #text, p{  
    color:rgb(147, 102, 169)  
}
```

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(147, 102, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 102, 169) }
```

Border

The CSS property to change the border of an element to Yxy 18.5704, 0.2907, 0.2254 is called "border". The border property can be set on classes, ids or directly on the HTML element.

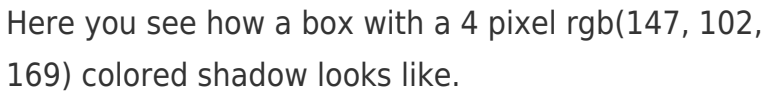
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 102, 169) }
```

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

```
.border{ border-color:rgb(147, 102, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 102, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 102, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 102, 169);  
box-shadow:4px 4px 4px 4px rgb(147, 102,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5704, 0.2907, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 102, 169) }
```

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

```
.background{ background-color: rgb(147,  
102, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor