

Converting Colors

$Y_{xy}(18.9041, 0.2978, 0.2005)$

Have a look what the booklet for
Yxy(18.9041, 0.2978, 0.2005)
contains.

Yxy(18.8800, 0.2969, 0.1999)	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(18.8800, 0.2969, 0.1999)

Conversions

Conversions Part 1

Format	Color
Hex	A65AB8
RGB	166, 90, 184
RGB Percent	65%, 35%, 72%
CMY	0.3489, 0.6472, 0.2783
CMYK	0.10, 0.51, 0.00, 0.28
HSL	289°, 40%, 54%
HSV	289°, 51%, 72%
XYZ	28.0414, 18.8800, 47.5258
YIQ	123.4400, 15.1220, 45.3460

Conversions

Conversions Part 2

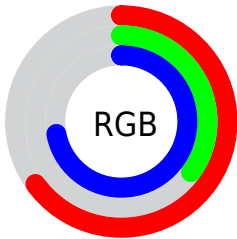
Format	Color
R_{YB}	166, 90, 184
Decimal	10902200
CIE _{Lab}	50.55, 46.02, -36.98
CIE _{LCh}	51, 59.033, 321.217
Yxy	18.8800, 0.2969, 0.1999
Android (android.graphics.Color)	4289092280 (0xFFA65AB8)
YUV	123.4400, 29.8561, 37.3251
Hunter-Lab	43.4511, 39.1563, -34.4343

Details

The Yxy color **18.8800, 0.2969, 0.1999** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **38.2137, 0.3182, 0.4831**, and the grayscale version is **19.8552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6242, 0.3024, 0.2248**, and **6.4427, 0.2879, 0.1627** is the 20% darker color. If you saturate the color by 10%, you get **15.7771, 0.2923, 0.1777**, and if you desaturate by 10%, it is **22.7632, 0.3010, 0.2244**.

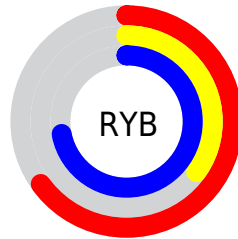
Distribution



Red (65%)

Green (35%)

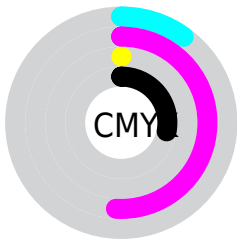
Blue (72%)



Red (65%)

Yellow (35%)

Blue (72%)

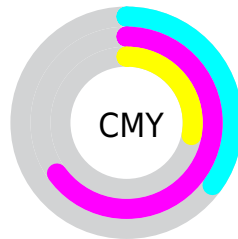


Cyan (10%)

Magenta (51%)

Yellow (0%)

Black (28%)



Cyan (35%)


Magenta (65%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8800, 0.2969, 0.1999 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 18.8800, 0.2969, 0.1999 by changing the saturation by 10% instead.


 18.8800, 0.2969,
0.1999


 18.8800, 0.2969,
0.1999


245.7855, 0.3082,
0.2660


 11.5836, 0.2928,
0.1834


 41.5312, 0.3019,
0.2241


 6.4608, 0.2867,
0.1623


 57.6548, 0.3035,
0.2331

 3.1273, 0.2771,
0.1351


 77.4897, 0.3048,
0.2408

 1.1985, 0.2606,
0.0995

 101.4201, 0.3057,
0.2473

 0.0605, 0.2402,
0.0118

129.8305, 0.3065,
0.2529

 0.0000, 0.0776,
0.0000

163.1052, 0.3072,

 0.0000, 0.0000,

0.2579

0.0000

201.6288, 0.3077,
0.2622

■ 18.8800, 0.2969,
0.1999

■ 18.8800, 0.2969,
0.1999

■ 15.7771, 0.2923,
0.1777

■ 22.7632, 0.3010,
0.2244

■ 13.3944, 0.2875,
0.1589

■ 27.4763, 0.3047,
0.2501

■ 11.6664, 0.2824,
0.1442

■ 33.0675, 0.3078,
0.2762

■ 10.5149, 0.2774,
0.1339

■ 39.5807, 0.3104,
0.3018

■ 9.8355, 0.2729,
0.1277

■ 47.0568, 0.3125,
0.3264

■ 55.5341, 0.3142,
0.3495

■ 65.0491, 0.3155,
0.3709

■ 75.6361, 0.3165,
0.3906

■ 86.9479, 0.3173,
0.4079

Harmonies

Analogous

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



18.8800, 0.2066, 0.1752



18.8800, 0.2969, 0.1999



18.8800, 0.4118, 0.2486

Triad

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



18.8800, 0.2969, 0.1999



18.8800, 0.4801, 0.4604



18.8800, 0.1511, 0.3013

Complementary

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



18.8800, 0.2969, 0.1999



38.2137, 0.3182, 0.4831

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.



18.8800, 0.2060, 0.4288



18.8800, 0.2969, 0.1999



18.8800, 0.3951, 0.5244

Square

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



18.8800, 0.2969, 0.1999



18.8800, 0.5257, 0.3844



18.8800, 0.2958, 0.5259



18.8800, 0.1359, 0.2163

Rectangle

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



18.8800, 0.2969, 0.1999



18.8800, 0.4792, 0.2904



18.8800, 0.2958, 0.5259



18.8800, 0.1648, 0.3410

Sweetspot

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



18.8808, 0.2969, 0.1999



66.6322, 0.3094, 0.2913



16.5253, 0.2222, 0.2005



13.8339, 0.3088, 0.2859



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



18.8808, 0.2969, 0.1999



28.1456, 0.2919, 0.1759



19.8950, 0.3545, 0.2398



9.0736, 0.3108, 0.3063



6.8059, 0.2736, 0.1281



0.2626, 0.2865, 0.1352

Inverse Universe

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



18.5830, 0.4277, 0.3041



27.7779, 0.4685, 0.3008



37.7753, 0.2878, 0.4413



9.0395, 0.3258, 0.3247



7.1155, 0.6070, 0.3118



0.2593, 0.5386, 0.2741

Previews

White Background



This preview shows how the Yxy color 18.8800, 0.2969, 0.1999 looks on a white background.

Color Contrast Check

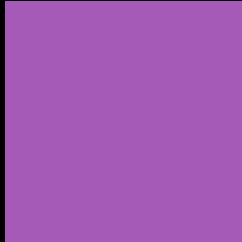
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8800, 0.2969, 0.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

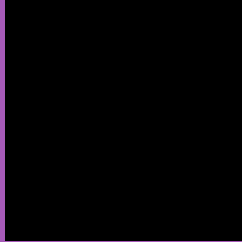
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8800, 0.2969, 0.1999

Background



This preview shows how black text looks on a background with the Yxy color 18.8800, 0.2969, 0.1999.



This preview shows how white text looks on a background with the Yxy color 18.8800, 0.2969, 0.1999.

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

18.8800, 0.2969, 0.1999

Protanopia

19.2658, 0.2058, 0.1862

Deuteranopia

19.1341, 0.2345, 0.2292



Tritanopia

18.8211, 0.3703, 0.3159

Trichromacy



Original Color

18.8800, 0.2969, 0.1999

Protanomaly

18.2748, 0.2289, 0.1872

Deuteranomaly

18.2975, 0.2526, 0.2141

Tritanomaly

18.6744, 0.3426, 0.2679

Monochromacy



Original Color

18.8800, 0.2969, 0.1999

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.9022, 0.3079, 0.2714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8800, 0.2969, 0.1999 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(166, 90, 184)` looks like.

```
.text, #text, p{  
    color:rgb(166, 90, 184)  
}
```

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(166, 90, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 90, 184) }
```

Border

The CSS property to change the border of an element to Yxy 18.8800, 0.2969, 0.1999 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(166, 90, 184) }
```

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

```
.border{ border-color:rgb(166, 90, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 90, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 90, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 90, 184);  
box-shadow:4px 4px 4px 4px rgb(166, 90,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8800, 0.2969, 0.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 90, 184) }
```

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

```
.background{ background-color: rgb(166, 90,  
184) }
```

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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