

Converting Colors

$Y_{xy}(19.0538, 0.2718, 0.2001)$

Have a look what the booklet for
Yxy(19.0538, 0.2718, 0.2001)
contains.

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Color

Yxy(19.0844, 0.2718, 0.1998)

Conversions

Conversions Part 1

Format	Color
Hex	9464BD
RGB	148, 100, 189
RGB Percent	58%, 39%, 74%
CMY	0.4195, 0.6079, 0.2587
CMYK	0.22, 0.47, 0.00, 0.26
HSL	272°, 40%, 57%
HSV	272°, 47%, 74%
XYZ	25.9617, 19.0844, 50.4715
YIQ	124.4980, 0.0390, 37.8550

Conversions

Conversions Part 2

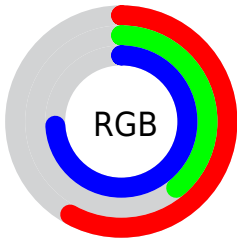
Format	Color
R_{YB}	148, 100, 189
Decimal	9725117
CIE _{Lab}	50.79, 36.55, -39.64
CIE _{LCh}	51, 53.913, 312.677
Yxy	19.0844, 0.2718, 0.1998
Android (android.graphics.Color)	4287915197 (0xFF9464BD)
YUV	124.4980, 31.7995, 20.6113
Hunter-Lab	43.6857, 29.6295, -37.9196

Details

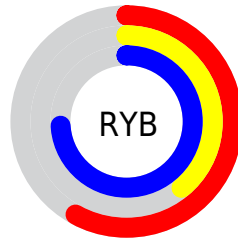
The Yxy color **19.0844, 0.2718, 0.1998** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **42.9841, 0.3379, 0.4614**, and the grayscale version is **20.2231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9477, 0.2818, 0.2241**, and **6.5498, 0.2539, 0.1618** is the 20% darker color. If you saturate the color by 10%, you get **15.0896, 0.2601, 0.1719**, and if you desaturate by 10%, it is **23.9827, 0.2826, 0.2288**.

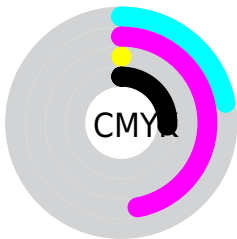
Distribution



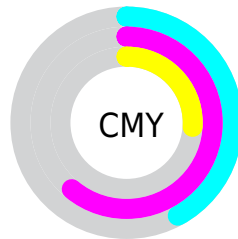
- Red (58%)
- Green (39%)
- Blue (74%)



- Red (58%)
- Yellow (39%)
- Blue (74%)



- Cyan (22%)
- Magenta (47%)
- Yellow (0%)
- Black (26%)





- Cyan (42%)
- Magenta (61%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0844, 0.2718, 0.1998 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 19.0844, 0.2718, 0.1998 by changing the saturation by 10% instead.


 19.0844, 0.2718,
0.1998


 19.0844, 0.2718,
0.1998


246.9143, 0.2965,
0.2663


 11.7313, 0.2642,
0.1831


 41.8767, 0.2818,
0.2242


 6.5610, 0.2536,
0.1619


 58.0846, 0.2853,
0.2333

 3.1891, 0.2379,
0.1344

 78.0129, 0.2881,
0.2410

 1.2312, 0.2136,
0.0985

 102.0460, 0.2903,
0.2476

 0.0870, 0.1799,
0.0159

130.5684, 0.2923,
0.2532

 0.0000, 0.0000,
0.0000

163.9642, 0.2939,

0.2582

202.6181, 0.2953,
0.2625

■ 19.0844, 0.2718,
0.1998

■ 19.0844, 0.2718,
0.1998

■ 15.0896, 0.2601,
0.1719

■ 23.9827, 0.2826,
0.2288

■ 11.9358, 0.2480,
0.1464

■ 29.8370, 0.2923,
0.2576

■ 9.5557, 0.2358,
0.1246

■ 36.6982, 0.3008,
0.2854

■ 7.8700, 0.2240,
0.1077

■ 44.6129, 0.3082,
0.3116

■ 6.7689, 0.2131,
0.0961

■ 53.6247, 0.3144,
0.3358

6.5007, 0.2101,
0.0931

63.7748, 0.3197,
0.3579

75.1023, 0.3240,
0.3778

87.6441, 0.3276,
0.3958

91.4193, 0.3328,
0.3981

Harmonies

Analogous

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



19.0844, 0.1972, 0.1839



19.0844, 0.2718, 0.1998



19.0844, 0.3736, 0.2400

Triad

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



19.0844, 0.2718, 0.1998



19.0844, 0.4857, 0.4343



19.0844, 0.1742, 0.3357

Complementary

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



19.0844, 0.2718, 0.1998



42.9841, 0.3379, 0.4614

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.



19.0844, 0.2371, 0.4504



19.0844, 0.2718, 0.1998



19.0844, 0.4164, 0.4969

Square

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



19.0844, 0.2718, 0.1998



19.0844, 0.5097, 0.3642



19.0844, 0.3261, 0.5156



19.0844, 0.1487, 0.2440

Rectangle

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



19.0844, 0.2718, 0.1998



19.0844, 0.4406, 0.2771



19.0844, 0.3261, 0.5156



19.0844, 0.1911, 0.3742

Sweetspot

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



19.0852, 0.2718, 0.1998



69.5968, 0.3031, 0.2931



25.5908, 0.2370, 0.2522



14.3367, 0.3014, 0.2874



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



19.0852, 0.2718, 0.1998



26.5094, 0.2592, 0.1697



23.4799, 0.3213, 0.2192



9.4721, 0.3066, 0.3059



4.4187, 0.2114, 0.0938



0.2116, 0.2369, 0.1079

Inverse Universe

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



21.8545, 0.3793, 0.2731



32.4167, 0.4032, 0.2621



40.0911, 0.3041, 0.4706



9.6075, 0.3218, 0.3185



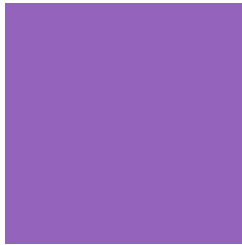
7.7573, 0.5101, 0.2583



0.3171, 0.4533, 0.2271

Previews

White Background



This preview shows how the Yxy color 19.0844, 0.2718, 0.1998 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 19.0844, 0.2718, 0.1998 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 19.0844, 0.2718, 0.1998

Background



This preview shows how black text looks on a background with the Yxy color 19.0844, 0.2718, 0.1998.



This preview shows how white text looks on a background with the Yxy color 19.0844, 0.2718, 0.1998.

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

19.0844, 0.2718, 0.1998

Protanopia

19.2979, 0.2095, 0.1900

Deuteranopia

19.3512, 0.2258, 0.2205



Tritanopia

19.0351, 0.3303, 0.3131

Trichromacy



Original Color

19.0844, 0.2718, 0.1998

Protanomaly

18.6648, 0.2265, 0.1906

Deuteranomaly

18.7349, 0.2396, 0.2105

Tritanomaly

18.9527, 0.3069, 0.2655

Monochromacy



Original Color

19.0844, 0.2718, 0.1998

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.6154, 0.2971, 0.2741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0844, 0.2718, 0.1998 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(148, 100, 189)` looks like.

```
.text, #text, p{  
    color:rgb(148, 100, 189)  
}
```

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(148, 100, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 100, 189) }
```

Border

The CSS property to change the border of an element to Yxy 19.0844, 0.2718, 0.1998 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(148, 100, 189) }
```

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

```
.border{ border-color:rgb(148, 100, 189) }
```

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

Here you see how a box with a 4 pixel rgb(148, 100, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 100, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 100, 189);  
box-shadow:4px 4px 4px 4px rgb(148, 100,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0844, 0.2718, 0.1998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 100, 189) }
```

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

```
.background{ background-color: rgb(148,  
100, 189) }
```

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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