

Converting Colors

$Y_{xy}(10.9846, 0.2419, 0.1848)$

Have a look what the booklet for
Yxy(10.9846, 0.2419, 0.1848)
contains.

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Color

Yxy(10.9498, 0.2418, 0.1841)

Conversions

Conversions Part 1

Format	Color
Hex	64509F
RGB	100, 80, 159
RGB Percent	39%, 31%, 62%
CMY	0.6078, 0.6863, 0.3766
CMYK	0.37, 0.50, 0.00, 0.38
HSL	255°, 33%, 47%
HSV	255°, 50%, 62%
XYZ	14.3816, 10.9498, 34.1460
YIQ	94.9860, -13.4390, 28.8090

Conversions

Conversions Part 2

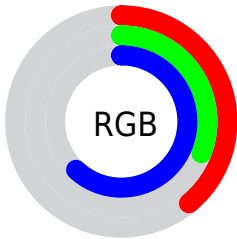
Format	Color
R_{YB}	100, 80, 159
Decimal	6574239
CIE Lab	39.50, 27.23, -40.20
CIE LCh	39, 48.553, 304.114
Yxy	10.9498, 0.2418, 0.1841
Android (android.graphics.Color)	4284764319 (0xFF64509F)
YUV	94.9860, 31.5589, 4.3973
Hunter-Lab	33.0905, 19.6706, -38.0179

Details

The Yxy color **10.9498, 0.2418, 0.1841** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **30.8536, 0.3622, 0.4565**, and the grayscale version is **11.3664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6903, 0.2606, 0.2158**, and **2.8920, 0.2071, 0.1339** is the 20% darker color. If you saturate the color by 10%, you get **8.2628, 0.2241, 0.1526**, and if you desaturate by 10%, it is **14.2870, 0.2589, 0.2164**.

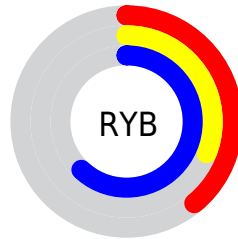
Distribution



Red (39%)

Green (31%)

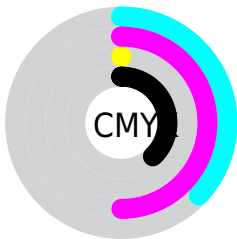
Blue (62%)



Red (39%)

Yellow (31%)

Blue (62%)

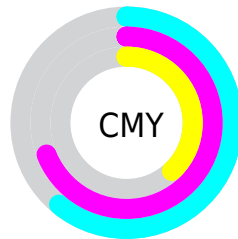


Cyan (37%)

Magenta (50%)

Yellow (0%)

Black (38%)



Cyan (61%)


Magenta (69%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9498, 0.2418, 0.1841 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 10.9498, 0.2418, 0.1841 by changing the saturation by 10% instead.


 10.9498, 0.2418,
0.1841


 10.9498, 0.2418,
0.1841


197.3228, 0.2856,
0.2645

 6.0331, 0.2275,
0.1620


 27.5673, 0.2601,
0.2150


 2.8652, 0.2070,
0.1332

 40.0369, 0.2662,
0.2262


 1.0618, 0.1761,
0.0954

 55.7929, 0.2711,
0.2354

 0.0000, 0.1304,
0.0000

 75.2197, 0.2751,
0.2431

 0.0000, 0.0000,
0.0000

 98.7017, 0.2784,
0.2497

126.6233, 0.2812,

0.2553

159.3689, 0.2836,
0.2602

■ 10.9498, 0.2418,
0.1841

■ 10.9498, 0.2418,
0.1841

■ 8.2628, 0.2241,
0.1526

■ 14.2870, 0.2589,
0.2164

■ 6.1811, 0.2067,
0.1238

■ 18.3128, 0.2749,
0.2479

■ 4.6559, 0.1907,
0.0995

■ 23.0640, 0.2893,
0.2777

■ 3.6298, 0.1770,
0.0814

■ 28.5743, 0.3020,
0.3050

■ 2.9782, 0.1661,
0.0691

■ 34.8755, 0.3130,
0.3298

■ 2.9593, 0.1658,
0.0687

■ 41.9974, 0.3226,
0.3518

■ 49.9682, 0.3307,
0.3713

■ 58.8149, 0.3376,
0.3885

■ 68.5632, 0.3435,
0.4036

Harmonies

Analogous

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



10.9498, 0.1738, 0.1751



10.9498, 0.2418, 0.1841



10.9498, 0.3450, 0.2195

Triad

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



10.9498, 0.2418, 0.1841



10.9498, 0.5107, 0.4165



10.9498, 0.1790, 0.3712

Complementary

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



10.9498, 0.2418, 0.1841



30.8536, 0.3622, 0.4565

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.



10.9498, 0.2554, 0.4919



10.9498, 0.2418, 0.1841



10.9498, 0.4457, 0.4900

Square

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



10.9498, 0.2418, 0.1841



10.9498, 0.5199, 0.3432



10.9498, 0.3530, 0.5337



10.9498, 0.1420, 0.2594

Rectangle

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



10.9498, 0.2418, 0.1841



10.9498, 0.4212, 0.2552



10.9498, 0.3530, 0.5337



10.9498, 0.2004, 0.4148

Sweetspot

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



10.9502, 0.2418, 0.1841



45.4831, 0.2950, 0.2900



22.7409, 0.2422, 0.2925



9.8222, 0.2925, 0.2845



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



10.9502, 0.2418, 0.1841



14.1907, 0.2215, 0.1482



13.7491, 0.2915, 0.2023



6.5125, 0.3025, 0.3062



2.3556, 0.1665, 0.0691



0.0604, 0.2059, 0.0908

Inverse Universe

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



14.9692, 0.3467, 0.2378



22.4300, 0.3575, 0.2201



28.0626, 0.3225, 0.4746



6.7258, 0.3174, 0.3125



6.8752, 0.3957, 0.1953



0.1292, 0.3605, 0.1759

Previews

White Background



This preview shows how the Yxy color 10.9498, 0.2418, 0.1841 looks on a white 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

Black Background



This preview shows how the Yxy color 10.9498, 0.2418, 0.1841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

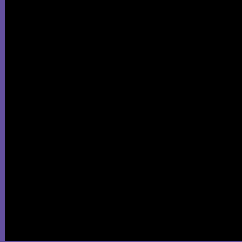
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9498, 0.2418, 0.1841

Background



This preview shows how black text looks on a background with the Yxy color 10.9498, 0.2418, 0.1841.



This preview shows how white text looks on a background with the Yxy color 10.9498, 0.2418, 0.1841.

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

10.9498, 0.2418, 0.1841

Protanopia

11.1310, 0.1985, 0.1779

Deuteranopia

11.0838, 0.2043, 0.2001



Tritanopia

10.9712, 0.2926, 0.3122

Trichromacy



Original Color

10.9498, 0.2418, 0.1841

Protanomaly

10.8726, 0.2109, 0.1791

Deuteranomaly

10.8080, 0.2143, 0.1923

Tritanomaly

10.8252, 0.2724, 0.2564

Monochromacy



Original Color

10.9498, 0.2418, 0.1841

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.1617, 0.2844, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9498, 0.2418, 0.1841 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(100, 80, 159)` looks like.

```
.text, #text, p{  
    color:rgb(100, 80, 159)  
}
```

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(100, 80, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 80, 159) }
```

Border

The CSS property to change the border of an element to Yxy 10.9498, 0.2418, 0.1841 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(100, 80, 159) }
```

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

```
.border{ border-color:rgb(100, 80, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 80, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 80, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 80, 159);  
box-shadow:4px 4px 4px 4px rgb(100, 80,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9498, 0.2418, 0.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 80, 159) }
```

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

```
.background{ background-color: rgb(100, 80,  
159) }
```

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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