

Converting Colors

$Y_{xy}(10.9647, 0.4257, 0.2303)$

Have a look what the booklet for
Yxy(10.9647, 0.4257, 0.2303)
contains.

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Color

Yxy(10.9718, 0.4259, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	AB2270
RGB	171, 34, 112
RGB Percent	67%, 13%, 44%
CMY	0.3294, 0.8666, 0.5608
CMYK	0.00, 0.80, 0.34, 0.33
HSL	326°, 67%, 40%
HSV	326°, 80%, 67%
XYZ	20.2904, 10.9718, 16.3791
YIQ	83.8550, 56.6140, 53.3020

Conversions

Conversions Part 2

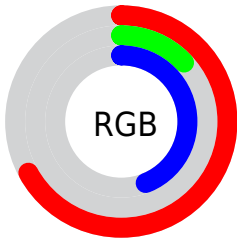
Format	Color
R_YB	171, 34, 112
Decimal	11215472
CIE Lab	39.53, 59.46, -10.62
CIE LCh	40, 60.403, 349.873
Yxy	10.9718, 0.4259, 0.2303
Android (android.graphics.Color)	4289405552 (0xFFAB2270)
YUV	83.8550, 13.8755, 76.4262
Hunter-Lab	33.1237, 51.3765, -6.1313

Details

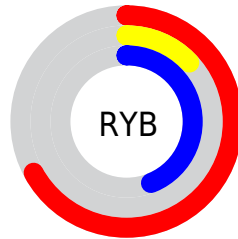
The Yxy color **10.9718, 0.4259, 0.2303** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **30.2544, 0.2741, 0.4822**, and the grayscale version is **8.7985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5087, 0.3976, 0.2524**, and **3.9476, 0.4624, 0.2321** is the 20% darker color. If you saturate the color by 10%, you get **10.0682, 0.4460, 0.2300**, and if you desaturate by 10%, it is **12.3761, 0.4060, 0.2355**.

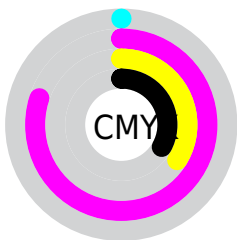
Distribution



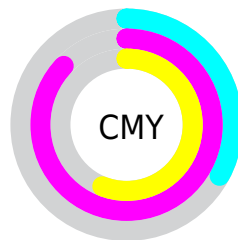
- Red (67%)
- Green (13%)
- Blue (44%)



- Red (67%)
- Yellow (13%)
- Blue (44%)



- Cyan (0%)
- Magenta (80%)
- Yellow (34%)
- Black (33%)





- Cyan (33%)
- Magenta (87%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9718, 0.4259, 0.2303 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 10.9718, 0.4259, 0.2303 by changing the saturation by 10% instead.


 10.9718, 0.4259,
0.2303


 10.9718, 0.4259,
0.2303


197.4740, 0.3584,
0.2873


 6.0479, 0.4478,
0.2130


 27.6080, 0.3980,
0.2532


 2.8742, 0.4796,
0.1886

 40.0891, 0.3887,
0.2611


 1.0664, 0.5298,
0.1525

 55.8580, 0.3811,
0.2675

 0.0000, 0.6912,
0.0000

 75.2991, 0.3749,
0.2729

 0.0000, 1.0000,
0.0000

 98.7969, 0.3698,
0.2773

 0.0000, 0.0000,
0.0000

 126.7357, 0.3654,

0.2812

159.4999, 0.3616,
0.2845

■ 10.9718, 0.4259,
0.2303

■ 10.9718, 0.4259,
0.2303

■ 10.0682, 0.4460,
0.2300

■ 12.3761, 0.4060,
0.2355

■ 9.5269, 0.4657,
0.2339

■ 14.3433, 0.3872,
0.2448

■ 16.9284, 0.3700,
0.2570

■ 20.1791, 0.3548,
0.2709

■ 24.1386, 0.3416,
0.2857

■ 28.8463, 0.3303,
0.3005

■ 34.3389, 0.3208,
0.3150

■ 40.6503, 0.3128,
0.3289

■ 47.8127, 0.3061,
0.3418

Harmonies

Analogous

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



10.9718, 0.2859, 0.1772



10.9718, 0.4259, 0.2303



10.9718, 0.5410, 0.3005

Triad

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



10.9718, 0.4259, 0.2303



10.9718, 0.4038, 0.5560



10.9718, 0.1093, 0.1959

Complementary

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



10.9718, 0.4259, 0.2303



30.2544, 0.2741, 0.4822

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.



10.9718, 0.1251, 0.2966



10.9718, 0.4259, 0.2303



10.9718, 0.2893, 0.5790

Square

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



10.9718, 0.4259, 0.2303



10.9718, 0.5064, 0.4677



10.9718, 0.1861, 0.4611



10.9718, 0.1283, 0.1546

Rectangle

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



10.9718, 0.4259, 0.2303



10.9718, 0.5679, 0.3513



10.9718, 0.1861, 0.4611



10.9718, 0.1104, 0.2215

Sweetspot

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



10.9724, 0.4259, 0.2303



47.8553, 0.3349, 0.2941



6.3141, 0.2124, 0.1095



10.0312, 0.3389, 0.2890



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



10.9724, 0.4259, 0.2303



17.3138, 0.4609, 0.2332



9.9953, 0.5692, 0.3187



8.0889, 0.3201, 0.3162



7.1932, 0.4639, 0.2329



0.2108, 0.4100, 0.2032

Inverse Universe

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



10.9724, 0.4259, 0.2303



17.3138, 0.4609, 0.2332



31.9873, 0.2350, 0.3491



8.0889, 0.3201, 0.3162



7.1932, 0.4639, 0.2329



0.2108, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 10.9718, 0.4259, 0.2303 looks on a white background.

Color Contrast Check

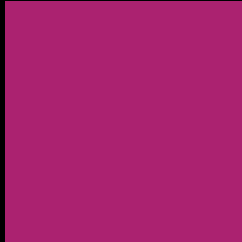
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9718, 0.4259, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

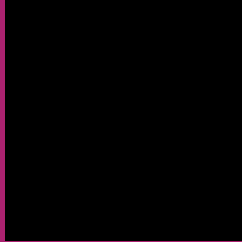
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9718, 0.4259, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 10.9718, 0.4259, 0.2303.



This preview shows how white text looks on a background with the Yxy color 10.9718, 0.4259, 0.2303.

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

10.9718, 0.4259, 0.2303

Protanopia

11.4353, 0.2219, 0.2083

Deuteranopia

11.3269, 0.3049, 0.2997



Tritanopia

11.0472, 0.5287, 0.3259

Trichromacy



Original Color

10.9718, 0.4259, 0.2303

Protanomaly

9.5667, 0.2727, 0.2023

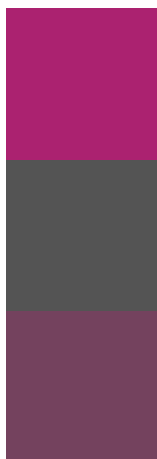
Deuteranomaly

9.9492, 0.3461, 0.2566

Tritanomaly

10.8006, 0.4957, 0.2905

Monochromacy



Original Color

10.9718, 0.4259, 0.2303

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.4176, 0.3579, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9718, 0.4259, 0.2303 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(171, 34, 112)` looks like.

```
.text, #text, p{  
    color:rgb(171, 34, 112)  
}
```

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(171, 34, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 34, 112) }
```

Border

The CSS property to change the border of an element to Yxy 10.9718, 0.4259, 0.2303 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(171, 34, 112) }
```

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

```
.border{ border-color:rgb(171, 34, 112) }
```

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

Here you see how a box with a 4 pixel rgb(171, 34, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 34, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 34, 112);  
box-shadow:4px 4px 4px 4px rgb(171, 34,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9718, 0.4259, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 34, 112) }
```

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

```
.background{ background-color: rgb(171, 34,  
112) }
```

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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