

Converting Colors

$Y_{xy}(19.3709, 0.2508, 0.1603)$

Have a look what the booklet for
Yxy(19.3709, 0.2508, 0.1603)
contains.

Yxy(19.3872, 0.2504, 0.1603)	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(19.3872, 0.2504, 0.1603)

Conversions

Conversions Part 1

Format	Color
Hex	9B59DE
RGB	155, 89, 222
RGB Percent	61%, 35%, 87%
CMY	0.3920, 0.6511, 0.1293
CMYK	0.30, 0.60, 0.00, 0.13
HSL	270°, 67%, 61%
HSV	270°, 60%, 87%
XYZ	30.2842, 19.3872, 71.2718
YIQ	123.8960, -3.3570, 55.3550

Conversions

Conversions Part 2

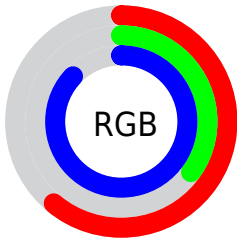
Format	Color
R _Y B	155, 89, 222
Decimal	10181086
CIE Lab	51.14, 52.12, -57.90
CIE LCh	51, 77.903, 311.993
Yxy	19.3872, 0.2504, 0.1603
Android (android.graphics.Color)	4288371166 (0xFF9B59DE)
YUV	123.8960, 48.3653, 27.2782
Hunter-Lab	44.0309, 45.7171, -65.1498

Details

The Yxy color **19.3872, 0.2504, 0.1603** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **60.0399, 0.3455, 0.4982**, and the grayscale version is **19.9556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7121, 0.2823, 0.2083**, and **6.7290, 0.2261, 0.1199** is the 20% darker color. If you saturate the color by 10%, you get **15.1795, 0.2370, 0.1349**, and if you desaturate by 10%, it is **24.8125, 0.2635, 0.1886**.

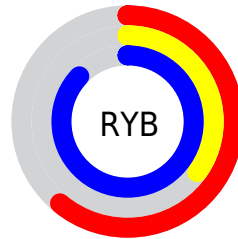
Distribution



Red (61%)

Green (35%)

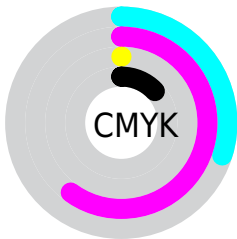
Blue (87%)



Red (61%)

Yellow (35%)

Blue (87%)

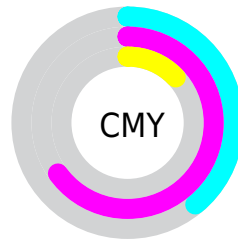


Cyan (30%)

Magenta (60%)

Yellow (0%)

Black (13%)



Cyan (39%)

Magenta (65%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3872, 0.2504, 0.1603 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 19.3872, 0.2504, 0.1603 by changing the saturation by 10% instead.


 19.3872, 0.2504,
0.1603


 19.3872, 0.2504,
0.1603


248.5781, 0.2872,
0.2419

 11.9504, 0.2398,
0.1419


 42.3874, 0.2649,
0.1887


 6.7099, 0.2257,
0.1197


 58.7195, 0.2700,
0.1998

 3.2813, 0.2063,
0.0932


 78.7855, 0.2742,
0.2093

 1.2803, 0.1787,
0.0622

 102.9699, 0.2777,
0.2176

 0.1259, 0.1415,
0.0117

131.6569, 0.2806,
0.2248

 0.0000, 0.0673,
0.0000

165.2310, 0.2832,

 0.0000, 0.0000,

0.2312

0.0000

204.0766, 0.2853,
0.2369

■ 19.3872, 0.2504,
0.1603

■ 19.3872, 0.2504,
0.1603

■ 15.1795, 0.2370,
0.1349

■ 24.8125, 0.2635,
0.1886

■ 12.0807, 0.2239,
0.1139

■ 31.5466, 0.2758,
0.2183

■ 9.9657, 0.2116,
0.0984

■ 39.6744, 0.2869,
0.2481

■ 8.6159, 0.2006,
0.0879

■ 49.2728, 0.2968,
0.2769

■ 8.6076, 0.2005,
0.0878

■ 60.4128, 0.3054,
0.3041

■ 73.1610, 0.3128,
0.3292

■ 87.5796, 0.3190,
0.3520

■ 96.1103, 0.3253,
0.3618

■ 98.0554, 0.3321,
0.3611

Harmonies

Analogous

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



19.3872, 0.1580, 0.1412



19.3872, 0.2504, 0.1603



19.3872, 0.3921, 0.2082

Triad

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



19.3872, 0.2504, 0.1603



19.3872, 0.5348, 0.4427



19.3872, 0.1270, 0.3342

Complementary

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



19.3872, 0.2504, 0.1603



60.0399, 0.3455, 0.4982

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.



19.3872, 0.2026, 0.5175



19.3872, 0.2504, 0.1603



19.3872, 0.4340, 0.5426

Square

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



19.3872, 0.2504, 0.1603



19.3872, 0.5818, 0.3542



19.3872, 0.3156, 0.6025



19.3872, 0.1012, 0.2080

Rectangle

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



19.3872, 0.2504, 0.1603



19.3872, 0.4909, 0.2527



19.3872, 0.3156, 0.6025



19.3872, 0.1462, 0.3940

Sweetspot

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



19.3879, 0.2504, 0.1603



70.0084, 0.2985, 0.2819



31.7539, 0.2185, 0.2353



14.0906, 0.2958, 0.2737



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



19.3879, 0.2504, 0.1603



19.5201, 0.2335, 0.1289



27.6004, 0.3169, 0.1893



13.5759, 0.3058, 0.3053



5.1774, 0.2020, 0.0887



0.4121, 0.2188, 0.0979

Inverse Universe

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



25.0713, 0.4012, 0.2534



28.4913, 0.4306, 0.2444



55.2111, 0.3047, 0.5215



13.8151, 0.3214, 0.3173



9.9383, 0.4938, 0.2494



0.7069, 0.4600, 0.2307

Previews

White Background



This preview shows how the Yxy color 19.3872, 0.2504, 0.1603 looks on a white background.

Color Contrast Check

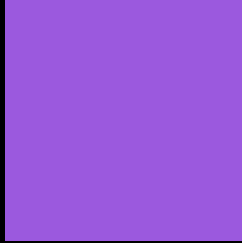
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3872, 0.2504, 0.1603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

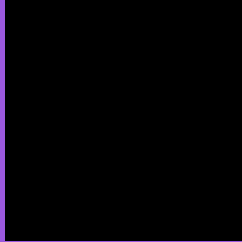
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3872, 0.2504, 0.1603

Background



This preview shows how black text looks on a background with the Yxy color 19.3872, 0.2504, 0.1603.



This preview shows how white text looks on a background with the Yxy color 19.3872, 0.2504, 0.1603.

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

19.3872, 0.2504, 0.1603

Protanopia

19.6247, 0.1734, 0.1441

Deuteranopia

19.7727, 0.1899, 0.1845



Tritanopia

19.2898, 0.3289, 0.3131

Trichromacy



Original Color

19.3872, 0.2504, 0.1603



Protanomaly

17.6474, 0.1811, 0.1413



Deuteranomaly

18.2247, 0.2007, 0.1676



Tritanomaly

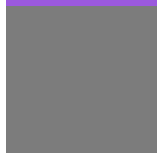
18.7754, 0.2970, 0.2424

Monochromacy



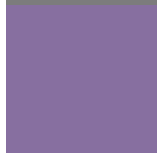
Original Color

19.3872, 0.2504, 0.1603



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.0578, 0.2865, 0.2480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3872, 0.2504, 0.1603 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(155, 89, 222)` looks like.

```
.text, #text, p{  
    color:rgb(155, 89, 222)  
}
```

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(155, 89, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 89, 222) }
```

Border

The CSS property to change the border of an element to Yxy 19.3872, 0.2504, 0.1603 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(155, 89, 222) }
```

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

```
.border{ border-color:rgb(155, 89, 222) }
```

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

Here you see how a box with a 4 pixel rgb(155, 89, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 89, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 89, 222);  
box-shadow:4px 4px 4px 4px rgb(155, 89,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3872, 0.2504, 0.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 89, 222) }
```

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

```
.background{ background-color: rgb(155, 89,  
222) }
```

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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