

Converting Colors

$Y_{xy}(19.9682, 0.2374, 0.1640)$

Have a look what the booklet for
Yxy(19.9682, 0.2374, 0.1640)
contains.

Yxy(19.9682, 0.2374, 0.1640)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9682, 0.2374, 0.1640)

Conversions

Conversions Part 1

Format	Color
Hex	8D63E0
RGB	141, 99, 224
RGB Percent	55%, 39%, 88%
CMY	0.4471, 0.6118, 0.1214
CMYK	0.37, 0.56, 0.00, 0.12
HSL	260°, 67%, 63%
HSV	260°, 56%, 88%
XYZ	28.9052, 19.9682, 72.8839
YIQ	125.8080, -15.0930, 47.7790

Conversions

Conversions Part 2

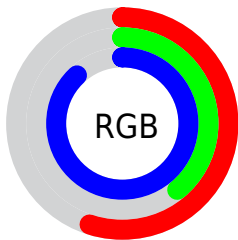
Format	Color
R_{YB}	141, 99, 224
Decimal	9266144
CIE _{Lab}	51.80, 43.99, -58.05
CIE _{LCh}	52, 72.840, 307.155
Yxy	19.9682, 0.2374, 0.1640
Android (android.graphics.Color)	4287456224 (0xFF8D63E0)
YUV	125.8080, 48.4087, 13.3234
Hunter-Lab	44.6858, 37.2633, -65.4238

Details

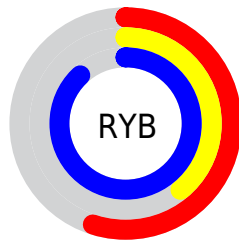
The Yxy color **19.9682, 0.2374, 0.1640** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **64.1863, 0.3597, 0.4788**, and the grayscale version is **20.6318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3590, 0.2707, 0.2136**, and **6.9932, 0.2095, 0.1235** is the 20% darker color. If you saturate the color by 10%, you get **15.0791, 0.2207, 0.1347**, and if you desaturate by 10%, it is **26.2111, 0.2539, 0.1955**.

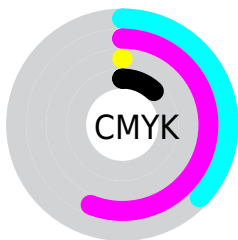
Distribution



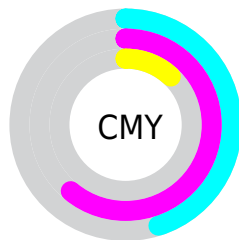
- Red (55%)
- Green (39%)
- Blue (88%)



- Red (55%)
- Yellow (39%)
- Blue (88%)



- Cyan (37%)
- Magenta (56%)
- Yellow (0%)
- Black (12%)





- Cyan (45%)
- Magenta (61%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9682, 0.2374, 0.1640 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 19.9682, 0.2374, 0.1640 by changing the saturation by 10% instead.


 19.9682, 0.2374,
0.1640


 19.9682, 0.2374,
0.1640

251.7429, 0.2803,
0.2444


 12.3719, 0.2256,
0.1457


 43.3639, 0.2540,
0.1921


 6.9975, 0.2100,
0.1236


 59.9320, 0.2599,
0.2030

 3.4605, 0.1889,
0.0970


 80.2597, 0.2648,
0.2124

 1.3766, 0.1598,
0.0658

 104.7311, 0.2690,
0.2205

 0.1994, 0.1211,
0.0180

133.7307, 0.2724,
0.2276

 0.0000, 0.0407,
0.0000

167.6430, 0.2754,

 0.0000, 0.0000,

0.2339

0.0000

206.8523, 0.2780,
0.2394

■ 19.9682, 0.2374,
0.1640

■ 19.9682, 0.2374,
0.1640

■ 15.0791, 0.2207,
0.1347

■ 26.2111, 0.2539,
0.1955

■ 11.4348, 0.2047,
0.1095

■ 33.9009, 0.2694,
0.2275

■ 8.9119, 0.1902,
0.0900


■ 43.1246, 0.2835,
0.2585

■ 7.3586, 0.1781,
0.0771


■ 53.9617, 0.2961,
0.2877

■ 6.8907, 0.1737,
0.0731

■ 66.4861, 0.3071,
0.3146

 80.7670, 0.3165,
0.3388

 96.3435, 0.3246,
0.3597

 98.1643, 0.3309,
0.3591

Harmonies

Analogous

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



19.9682, 0.1565, 0.1502



19.9682, 0.2374, 0.1640



19.9682, 0.3642, 0.2061

Triad

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



19.9682, 0.2374, 0.1640



19.9682, 0.5363, 0.4277



19.9682, 0.1464, 0.3613

Complementary

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



19.9682, 0.2374, 0.1640



64.1863, 0.3597, 0.4788

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.



19.9682, 0.2276, 0.5239



19.9682, 0.2374, 0.1640



19.9682, 0.4491, 0.5194

Square

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



19.9682, 0.2374, 0.1640



19.9682, 0.5642, 0.3447



19.9682, 0.3384, 0.5809



19.9682, 0.1130, 0.2311

Rectangle

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



19.9682, 0.2374, 0.1640



19.9682, 0.4578, 0.2472



19.9682, 0.3384, 0.5809



19.9682, 0.1682, 0.4178

Sweetspot

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



19.9689, 0.2374, 0.1640



70.3352, 0.2946, 0.2841



41.6403, 0.2303, 0.2708



14.3995, 0.2921, 0.2783



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.



19.9689, 0.2374, 0.1640



19.2942, 0.2180, 0.1302



27.0314, 0.2976, 0.1888



13.4659, 0.3033, 0.3051



4.0656, 0.1752, 0.0739



0.3297, 0.1922, 0.0833

Inverse Universe

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



28.1555, 0.3662, 0.2361



31.6831, 0.3825, 0.2221



58.2178, 0.3160, 0.5020



13.8533, 0.3189, 0.3136



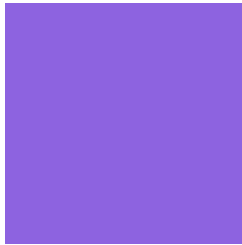
10.5050, 0.4279, 0.2131



0.7446, 0.4073, 0.2017

Previews

White Background



This preview shows how the Yxy color 19.9682, 0.2374, 0.1640 looks on a white background.

Color Contrast Check

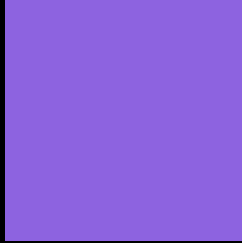
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9682, 0.2374, 0.1640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

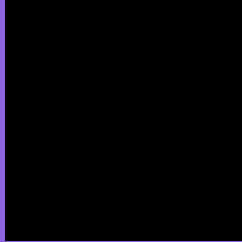
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9682, 0.2374, 0.1640

Background



This preview shows how black text looks on a background with the Yxy color 19.9682, 0.2374, 0.1640.



This preview shows how white text looks on a background with the Yxy color 19.9682, 0.2374, 0.1640.

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

19.9682, 0.2374, 0.1640

Protanopia

20.2576, 0.1800, 0.1520

Deuteranopia

20.1413, 0.1889, 0.1830



Tritanopia

19.9243, 0.2993, 0.3106

Trichromacy



Original Color

19.9682, 0.2374, 0.1640



Protanomaly

19.2805, 0.1916, 0.1530



Deuteranomaly

19.1539, 0.1980, 0.1718



Tritanomaly

19.3770, 0.2731, 0.2427

Monochromacy



Original Color

19.9682, 0.2374, 0.1640



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.9247, 0.2804, 0.2525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9682, 0.2374, 0.1640 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(141, 99, 224)` looks like.

```
.text, #text, p{  
    color:rgb(141, 99, 224)  
}
```

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(141, 99, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 99, 224) }
```

Border

The CSS property to change the border of an element to Yxy 19.9682, 0.2374, 0.1640 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(141, 99, 224) }
```

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

```
.border{ border-color:rgb(141, 99, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 99, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 99, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 99, 224);  
box-shadow:4px 4px 4px 4px rgb(141, 99,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9682, 0.2374, 0.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 99, 224) }
```

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

```
.background{ background-color: rgb(141, 99,  
224) }
```

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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