

Converting Colors

$Y_{xy}(13.9794, 0.2444, 0.1559)$

Have a look what the booklet for
Yxy(13.9794, 0.2444, 0.1559)
contains.

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Color

Yxy(13.9797, 0.2444, 0.1559)

Conversions

Conversions Part 1

Format	Color
Hex	834CC4
RGB	131, 76, 196
RGB Percent	51%, 30%, 77%
CMY	0.4861, 0.7021, 0.2313
CMYK	0.33, 0.61, 0.00, 0.23
HSL	268°, 50%, 53%
HSV	268°, 61%, 77%
XYZ	21.9156, 13.9797, 53.7757
YIQ	106.1250, -5.7400, 48.9800

Conversions

Conversions Part 2

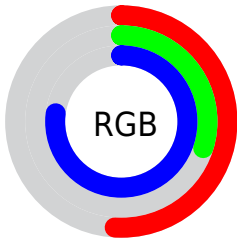
Format	Color
R _Y B	131, 76, 196
Decimal	8604868
CIE Lab	44.20, 47.10, -54.29
CIE LCh	44, 71.876, 310.945
Yxy	13.9797, 0.2444, 0.1559
Android (android.graphics.Color)	4286794948 (0xFF834CC4)
YUV	106.1250, 44.3084, 21.8154
Hunter-Lab	37.3894, 39.1951, -59.1017

Details

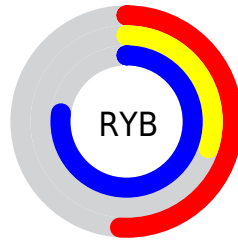
The Yxy color **13.9797, 0.2444, 0.1559** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **45.6635, 0.3494, 0.4983**, and the grayscale version is **14.3262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9620, 0.2619, 0.1874**, and **4.1548, 0.2149, 0.1097** is the 20% darker color. If you saturate the color by 10%, you get **10.8753, 0.2303, 0.1304**, and if you desaturate by 10%, it is **17.9942, 0.2583, 0.1844**.

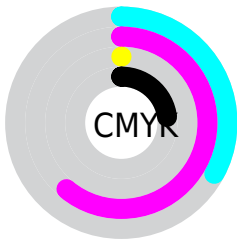
Distribution



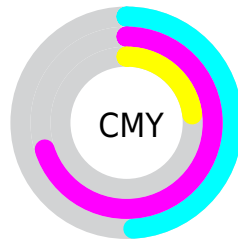
- Red (51%)
- Green (30%)
- Blue (77%)



- Red (51%)
- Yellow (30%)
- Blue (77%)



- Cyan (33%)
- Magenta (61%)
- Yellow (0%)
- Black (23%)





- Cyan (49%)
- Magenta (70%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9797, 0.2444, 0.1559 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 13.9797, 0.2444, 0.1559 by changing the saturation by 10% instead.


 13.9797, 0.2444,
0.1559


 13.9797, 0.2444,
0.1559


217.1045, 0.2861,
0.2439


 8.1065, 0.2317,
0.1350


 33.0530, 0.2614,
0.1874


 4.1632, 0.2142,
0.1095


 47.0219, 0.2672,
0.1995

 1.7653, 0.1893,
0.0789


 64.4583, 0.2719,
0.2097

 0.4654, 0.1539,
0.0390

 85.7464, 0.2758,
0.2185

 0.0000, 0.0965,
0.0000

 111.2707, 0.2790,
0.2261

 0.0000, 0.0000,
0.0000

141.4155, 0.2818,

0.2328

176.5653, 0.2841,
0.2387

■ 13.9797, 0.2444,
0.1559

■ 13.9797, 0.2444,
0.1559

■ 10.8753, 0.2303,
0.1304

■ 17.9942, 0.2583,
0.1844

■ 8.5996, 0.2166,
0.1094

■ 22.9877, 0.2715,
0.2144

■ 7.0581, 0.2040,
0.0939

■ 29.0236, 0.2836,
0.2444

■ 6.1573, 0.1942,
0.0843

■ 36.1596, 0.2943,
0.2734

■ 44.4493, 0.3037,
0.3008

■ 53.9422, 0.3118,
0.3260

■ 64.6853, 0.3187,
0.3490

■ 76.7230, 0.3244,
0.3697

■ 90.0972, 0.3292,
0.3882

Harmonies

Analogous

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



13.9797, 0.1525, 0.1376



13.9797, 0.2444, 0.1559



13.9797, 0.3884, 0.2034

Triad

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



13.9797, 0.2444, 0.1559



13.9797, 0.5420, 0.4398



13.9797, 0.1246, 0.3397

Complementary

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



13.9797, 0.2444, 0.1559



45.6635, 0.3494, 0.4983

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.



13.9797, 0.2026, 0.5299



13.9797, 0.2444, 0.1559



13.9797, 0.4401, 0.5445

Square

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



13.9797, 0.2444, 0.1559



13.9797, 0.5880, 0.3499



13.9797, 0.3179, 0.6100



13.9797, 0.0976, 0.2077

Rectangle

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



13.9797, 0.2444, 0.1559



13.9797, 0.4910, 0.2481



13.9797, 0.3179, 0.6100



13.9797, 0.1445, 0.4023

Sweetspot

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



13.9802, 0.2444, 0.1559



69.7200, 0.2973, 0.2817



24.8651, 0.2189, 0.2407



14.0205, 0.2943, 0.2735



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.



13.9802, 0.2444, 0.1559



18.3547, 0.2262, 0.1238



20.0991, 0.3122, 0.1857



9.9693, 0.3053, 0.3057



4.0057, 0.1956, 0.0851



0.2140, 0.2212, 0.0992

Inverse Universe

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



18.8228, 0.3958, 0.2471



28.3841, 0.4229, 0.2373



41.7998, 0.3068, 0.5230



10.1670, 0.3206, 0.3166



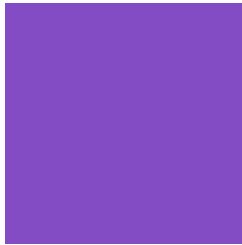
8.2277, 0.4765, 0.2399



0.3693, 0.4327, 0.2157

Previews

White Background



This preview shows how the Yxy color 13.9797, 0.2444, 0.1559 looks on a white background.

Color Contrast Check

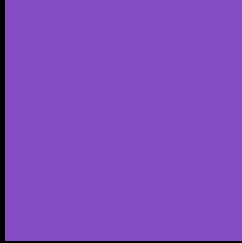
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9797, 0.2444, 0.1559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

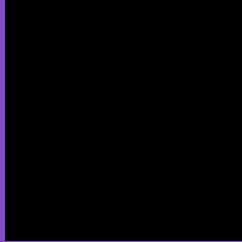
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9797, 0.2444, 0.1559

Background



This preview shows how black text looks on a background with the Yxy color 13.9797, 0.2444, 0.1559.



This preview shows how white text looks on a background with the Yxy color 13.9797, 0.2444, 0.1559.

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

13.9797, 0.2444, 0.1559

Protanopia

14.1624, 0.1741, 0.1469

Deuteranopia

14.1895, 0.1834, 0.1802



Tritanopia

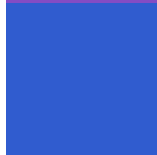
13.9889, 0.3207, 0.3126

Trichromacy



Original Color

13.9797, 0.2444, 0.1559



Protanomaly

12.7877, 0.1817, 0.1425



Deuteranomaly

12.7999, 0.1882, 0.1615



Tritanomaly

13.5704, 0.2879, 0.2385

Monochromacy



Original Color

13.9797, 0.2444, 0.1559



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.6933, 0.2838, 0.2456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9797, 0.2444, 0.1559 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(131, 76, 196)` looks like.

```
.text, #text, p{  
    color:rgb(131, 76, 196)  
}
```

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(131, 76, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 76, 196) }
```

Border

The CSS property to change the border of an element to Yxy 13.9797, 0.2444, 0.1559 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(131, 76, 196) }
```

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

```
.border{ border-color:rgb(131, 76, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 76, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 76, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 76, 196);  
box-shadow:4px 4px 4px 4px rgb(131, 76,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9797, 0.2444, 0.1559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 76, 196) }
```

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

```
.background{ background-color: rgb(131, 76,  
196) }
```

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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