

Converting Colors

$Y_{xy}(14.9597, 0.2839, 0.2164)$

Have a look what the booklet for
Yxy(14.9597, 0.2839, 0.2164)
contains.

Yxy(14.9719, 0.2839, 0.2161)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.9719, 0.2839, 0.2161)

Conversions

Conversions Part 1

Format	Color
Hex	855B9F
RGB	133, 91, 159
RGB Percent	52%, 36%, 62%
CMY	0.4784, 0.6431, 0.3766
CMYK	0.16, 0.43, 0.00, 0.38
HSL	277°, 27%, 49%
HSV	277°, 43%, 62%
XYZ	19.6692, 14.9719, 34.6411
YIQ	111.3100, 3.2040, 30.0520

Conversions

Conversions Part 2

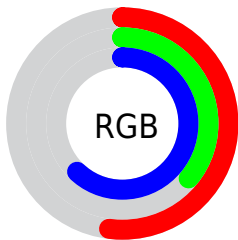
Format	Color
R_{YB}	133, 91, 159
Decimal	8739743
CIE Lab	45.60, 30.25, -30.33
CIE LCh	46, 42.838, 314.918
Yxy	14.9719, 0.2839, 0.2161
Android (android.graphics.Color)	4286929823 (0xFF855B9F)
YUV	111.3100, 23.5112, 19.0221
Hunter-Lab	38.6935, 23.0239, -25.9950

Details

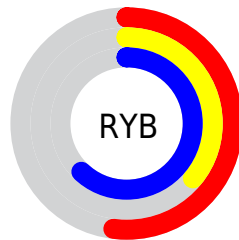
The Yxy color **14.9719, 0.2839, 0.2161** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.3233, 0.3307, 0.4486**, and the grayscale version is **15.9212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7658, 0.2914, 0.2395**, and **4.6567, 0.2692, 0.1782** is the 20% darker color. If you saturate the color by 10%, you get **12.0557, 0.2747, 0.1891**, and if you desaturate by 10%, it is **18.4937, 0.2922, 0.2438**.

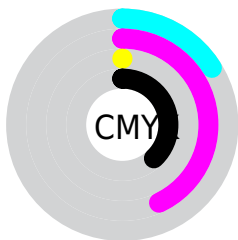
Distribution



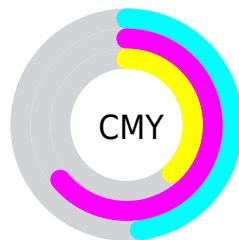
- Red (52%)
- Green (36%)
- Blue (62%)



- Red (52%)
- Yellow (36%)
- Blue (62%)



- Cyan (16%)
- Magenta (43%)
- Yellow (0%)
- Black (38%)





- Cyan (48%)
- Magenta (64%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9719, 0.2839, 0.2161 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 14.9719, 0.2839, 0.2161 by changing the saturation by 10% instead.


 14.9719, 0.2839,
0.2161


 14.9719, 0.2839,
0.2161


223.1961, 0.3022,
0.2776


 8.7997, 0.2776,
0.1992


 34.8039, 0.2917,
0.2396


 4.6107, 0.2683,
0.1768


 49.2324, 0.2943,
0.2481

 2.0207, 0.2535,
0.1461

 67.1818, 0.2963,
0.2551

 0.6195, 0.2284,
0.0992

 89.0365, 0.2979,
0.2611

 0.0000, 0.1368,
0.0000

115.1809, 0.2993,
0.2661

 0.0000, 0.0000,
0.0000

145.9994, 0.3004,

0.2705

181.8763, 0.3014,
0.2743

■ 14.9719, 0.2839,
0.2161

■ 14.9719, 0.2839,
0.2161

■ 12.0557, 0.2747,
0.1891

■ 18.4937, 0.2922,
0.2438

■ 9.7061, 0.2649,
0.1639

■ 22.6532, 0.2996,
0.2713

■ 7.8823, 0.2548,
0.1417

■ 27.4824, 0.3059,
0.2976

■ 6.5372, 0.2447,
0.1237

■ 33.0105, 0.3114,
0.3225

■ 5.6146, 0.2349,
0.1105

■ 39.2650, 0.3159,
0.3455

■ 5.1105, 0.2281,
0.1030

■ 46.2719, 0.3197,
0.3666

■ 54.0558, 0.3229,
0.3857

■ 62.6404, 0.3254,
0.4030

■ 72.0482, 0.3274,
0.4186

Harmonies

Analogous

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



14.9719, 0.2149, 0.2001



14.9719, 0.2839, 0.2161



14.9719, 0.3728, 0.2540

Triad

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



14.9719, 0.2839, 0.2161



14.9719, 0.4629, 0.4305



14.9719, 0.1883, 0.3294

Complementary

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



14.9719, 0.2839, 0.2161



29.3233, 0.3307, 0.4486

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.



14.9719, 0.2431, 0.4251



14.9719, 0.2839, 0.2161



14.9719, 0.4015, 0.4798

Square

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



14.9719, 0.2839, 0.2161



14.9719, 0.4846, 0.3686



14.9719, 0.3213, 0.4859



14.9719, 0.1664, 0.2519

Rectangle

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



14.9719, 0.2839, 0.2161



14.9719, 0.4289, 0.2885



14.9719, 0.3213, 0.4859



14.9719, 0.2030, 0.3613

Sweetspot

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



14.9725, 0.2839, 0.2161



48.7781, 0.3056, 0.2964



17.4642, 0.2431, 0.2507



10.5663, 0.3044, 0.2909



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.



14.9725, 0.2839, 0.2161



21.9690, 0.2755, 0.1911



17.0880, 0.3278, 0.2371



6.6278, 0.3080, 0.3065



4.0624, 0.2289, 0.1035



0.0963, 0.2671, 0.1245

Inverse Universe

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



16.1363, 0.3780, 0.2871



24.4860, 0.3997, 0.2787



27.9111, 0.3007, 0.4427



6.6860, 0.3227, 0.3205



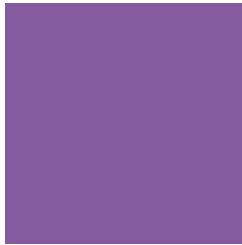
6.0937, 0.5400, 0.2748



0.1169, 0.4422, 0.2210

Previews

White Background



This preview shows how the Yxy color 14.9719, 0.2839, 0.2161 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 14.9719, 0.2839, 0.2161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

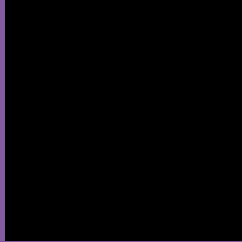
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9719, 0.2839, 0.2161

Background



This preview shows how black text looks on a background with the Yxy color 14.9719, 0.2839, 0.2161.



This preview shows how white text looks on a background with the Yxy color 14.9719, 0.2839, 0.2161.

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

14.9719, 0.2839, 0.2161

Protanopia

15.1256, 0.2233, 0.2089

Deuteranopia

15.0893, 0.2414, 0.2354



Tritanopia

14.9885, 0.3351, 0.3135

Trichromacy



Original Color

14.9719, 0.2839, 0.2161

Protanomaly

14.8641, 0.2414, 0.2112

Deuteranomaly

14.8059, 0.2552, 0.2265

Tritanomaly

14.8831, 0.3153, 0.2734

Monochromacy



Original Color

14.9719, 0.2839, 0.2161

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.3811, 0.3027, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9719, 0.2839, 0.2161 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(133, 91, 159)` looks like.

```
.text, #text, p{  
    color:rgb(133, 91, 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(133, 91, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 91, 159) }
```

Border

The CSS property to change the border of an element to Yxy 14.9719, 0.2839, 0.2161 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(133, 91, 159) }
```

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

```
.border{ border-color:rgb(133, 91, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 91, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 91, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 91, 159); box-shadow:4px 4px 4px 4px rgb(133, 91, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9719, 0.2839, 0.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 91, 159) }
```

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

```
.background{ background-color: rgb(133, 91,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor