

Converting Colors

$Y_{xy}(15.9771, 0.3094, 0.2713)$

Have a look what the booklet for
Yxy(15.9771, 0.3094, 0.2713)
contains.

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Color

Yxy(15.9698, 0.3100, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	826686
RGB	130, 102, 134
RGB Percent	51%, 40%, 53%
CMY	0.4902, 0.6000, 0.4745
CMYK	0.03, 0.24, 0.00, 0.47
HSL	293°, 14%, 46%
HSV	293°, 24%, 53%
XYZ	18.2613, 15.9698, 24.6763
YIQ	114.0200, 6.4160, 15.8880

Conversions

Conversions Part 2

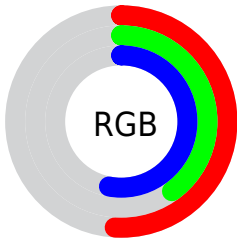
Format	Color
R_{YB}	130, 102, 134
Decimal	8545926
CIE _{Lab}	46.93, 17.24, -13.43
CIE _{LCh}	47, 21.856, 322.089
Yxy	15.9698, 0.3100, 0.2711
Android (android.graphics.Color)	4286736006 (0xFF826686)
YUV	114.0200, 9.8501, 14.0145
Hunter-Lab	39.9622, 11.6342, -8.6375

Details

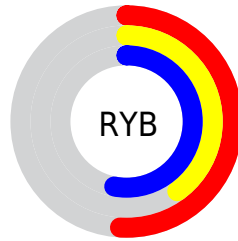
The Yxy color **15.9698, 0.3100, 0.2711** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.0754, 0.3142, 0.3925**, and the grayscale version is **16.8025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4376, 0.3110, 0.2841**, and **5.0779, 0.3077, 0.2490** is the 20% darker color. If you saturate the color by 10%, you get **13.4146, 0.3083, 0.2463**, and if you desaturate by 10%, it is **18.9543, 0.3113, 0.2959**.

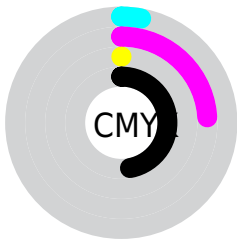
Distribution



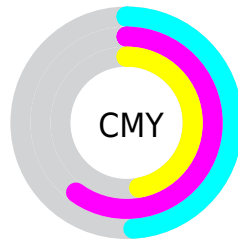
- Red (51%)
- Green (40%)
- Blue (53%)



- Red (51%)
- Yellow (40%)
- Blue (53%)



- Cyan (3%)
- Magenta (24%)
- Yellow (0%)
- Black (47%)





- Cyan (49%)
- Magenta (60%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9698, 0.3100, 0.2711 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 15.9698, 0.3100, 0.2711 by changing the saturation by 10% instead.


 15.9698, 0.3100,
0.2711


 15.9698, 0.3100,
0.2711


229.1634, 0.3121,
0.3039

 9.5028, 0.3091,
0.2613


 36.5458, 0.3110,
0.2841


 5.0706, 0.3076,
0.2477


 51.4235, 0.3113,
0.2886

 2.2887, 0.3047,
0.2273

 69.8736, 0.3115,
0.2923

 0.7677, 0.2989,
0.1929

 92.2805, 0.3117,
0.2954

 0.0000, 0.1474,
0.0000

119.0285, 0.3118,
0.2980

 0.0000, 0.0000,
0.0000

150.5021, 0.3119,

0.3003

187.0856, 0.3120,
0.3022

■ 15.9698, 0.3100,
0.2711

■ 15.9698, 0.3100,
0.2711

■ 13.4146, 0.3083,
0.2463

■ 18.9543, 0.3113,
0.2959

■ 11.2663, 0.3063,
0.2222

■ 22.3852, 0.3124,
0.3199

■ 9.5034, 0.3040,
0.1996

■ 26.2810, 0.3132,
0.3429

■ 8.1017, 0.3013,
0.1797

■ 30.6586, 0.3137,
0.3644

■ 7.0341, 0.2985,
0.1630

■ 35.5343, 0.3141,
0.3843

6.2700, 0.2954,
0.1503

40.9231, 0.3143,
0.4027

5.7708, 0.2923,
0.1417

46.8400, 0.3143,
0.4194

5.5213, 0.2904,
0.1373

53.2988, 0.3143,
0.4345

60.3132, 0.3142,
0.4482

Harmonies

Analogous

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



15.9698, 0.2694, 0.2591



15.9698, 0.3100, 0.2711



15.9698, 0.3542, 0.2960

Triad

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



15.9698, 0.3100, 0.2711



15.9698, 0.3866, 0.3936



15.9698, 0.2423, 0.3217

Complementary

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



15.9698, 0.3100, 0.2711



21.0754, 0.3142, 0.3925

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.



15.9698, 0.2702, 0.3648



15.9698, 0.3100, 0.2711



15.9698, 0.3534, 0.4077

Square

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



15.9698, 0.3100, 0.2711



15.9698, 0.4000, 0.3641



15.9698, 0.3106, 0.3979



15.9698, 0.2325, 0.2848

Rectangle

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



15.9698, 0.3100, 0.2711



15.9698, 0.3788, 0.3175



15.9698, 0.3106, 0.3979



15.9698, 0.2497, 0.3361

Sweetspot

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



15.9705, 0.3100, 0.2711



37.3715, 0.3121, 0.3122



14.9095, 0.2745, 0.2735



8.3566, 0.3120, 0.3111



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



15.9705, 0.3100, 0.2711



25.4550, 0.3091, 0.2568



15.9835, 0.3310, 0.2921



4.7341, 0.3119, 0.3075



5.1769, 0.2905, 0.1374



0.0200, 0.3064, 0.1461

Inverse Universe

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



15.6122, 0.3540, 0.3216



24.7197, 0.3675, 0.3197



21.0856, 0.2981, 0.3691



4.6975, 0.3261, 0.3263



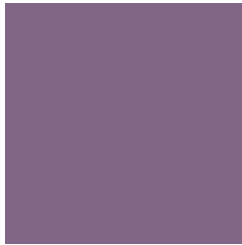
4.7880, 0.6193, 0.3185



0.0172, 0.5473, 0.2789

Previews

White Background



This preview shows how the Yxy color 15.9698, 0.3100, 0.2711 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 15.9698, 0.3100, 0.2711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

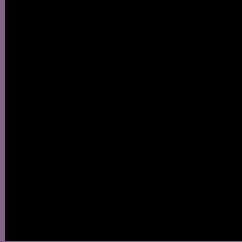
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9698, 0.3100, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 15.9698, 0.3100, 0.2711.



This preview shows how white text looks on a background with the Yxy color 15.9698, 0.3100, 0.2711.

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

15.9698, 0.3100, 0.2711

Protanopia

15.9884, 0.2712, 0.2707

Deuteranopia

16.0755, 0.2880, 0.2826



Tritanopia

16.0350, 0.3316, 0.3138

Trichromacy



Original Color

15.9698, 0.3100, 0.2711

Protanomaly

15.8611, 0.2835, 0.2700

Deuteranomaly

15.9235, 0.2967, 0.2780

Tritanomaly

16.0728, 0.3238, 0.2990

Monochromacy



Original Color

15.9698, 0.3100, 0.2711

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.5254, 0.3124, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9698, 0.3100, 0.2711 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(130, 102, 134)` looks like.

```
.text, #text, p{  
    color:rgb(130, 102, 134)  
}
```

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(130, 102, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 102, 134) }
```

Border

The CSS property to change the border of an element to Yxy 15.9698, 0.3100, 0.2711 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(130, 102, 134) }
```

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

```
.border{ border-color:rgb(130, 102, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 102, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 102, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 102, 134);  
box-shadow:4px 4px 4px 4px rgb(130, 102,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9698, 0.3100, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 102, 134) }
```

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

```
.background{ background-color: rgb(130,  
102, 134) }
```

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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