

Converting Colors

$Y_{xy}(15.9200, 0.3144, 0.2811)$

Have a look what the booklet for
Yxy(15.9200, 0.3144, 0.2811)
contains.

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Color

Yxy(15.9526, 0.3150, 0.2812)

Conversions

Conversions Part 1

Format	Color
Hex	816781
RGB	129, 103, 129
RGB Percent	51%, 40%, 51%
CMY	0.4940, 0.5961, 0.4941
CMYK	0.00, 0.20, 0.00, 0.49
HSL	300°, 11%, 45%
HSV	300°, 20%, 51%
XYZ	17.8701, 15.9526, 22.9078
YIQ	113.7380, 7.1500, 13.5980

Conversions

Conversions Part 2

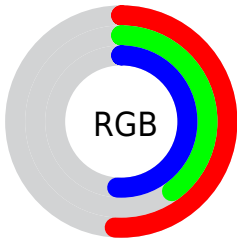
Format	Color
R_{YB}	129, 103, 129
Decimal	8480641
CIE Lab	46.91, 15.27, -10.48
CIE LCh	47, 18.518, 325.525
Yxy	15.9526, 0.3150, 0.2812
Android (android.graphics.Color)	4286670721 (0xFF816781)
YUV	113.7380, 7.5242, 13.3848
Hunter-Lab	39.9407, 9.9674, -6.0469

Details

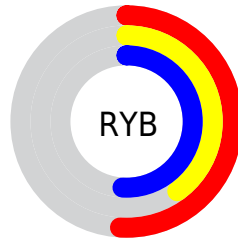
The Yxy color **15.9526, 0.3150, 0.2812** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.5724, 0.3102, 0.3819**, and the grayscale version is **16.7213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4337, 0.3145, 0.2916**, and **5.0698, 0.3137, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **13.5813, 0.3161, 0.2574**, and if you desaturate by 10%, it is **18.7214, 0.3139, 0.3052**.

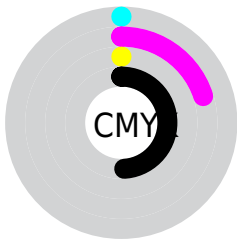
Distribution



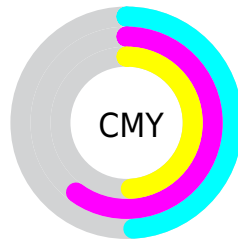
- Red (51%)
- Green (40%)
- Blue (51%)



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



- Cyan (0%)
- Magenta (20%)
- Yellow (0%)
- Black (49%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9526, 0.3150, 0.2812 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 15.9526, 0.3150, 0.2812 by changing the saturation by 10% instead.


 15.9526, 0.3150,
0.2812


 15.9526, 0.3150,
0.2812


229.0619, 0.3140,
0.3085


 9.4906, 0.3151,
0.2730


 36.5159, 0.3147,
0.2921


 5.0626, 0.3151,
0.2614


 51.3860, 0.3146,
0.2958

 2.2840, 0.3148,
0.2438

 69.8276, 0.3145,
0.2989

 0.7652, 0.3138,
0.2130

 92.2251, 0.3144,
0.3015

 0.0000, 0.1170,
0.0000

118.9629, 0.3143,
0.3036

 0.0000, 0.0000,
0.0000

150.4253, 0.3142,

0.3055

186.9969, 0.3141,
0.3071

■ 15.9526, 0.3150,
0.2812

■ 15.9526, 0.3150,
0.2812

■ 13.5813, 0.3161,
0.2574

■ 18.7214, 0.3139,
0.3052

■ 11.5874, 0.3173,
0.2344

■ 21.9026, 0.3127,
0.3286

■ 9.9521, 0.3183,
0.2131

■ 25.5129, 0.3117,
0.3510

■ 8.6540, 0.3192,
0.1943

■ 29.5674, 0.3107,
0.3722

■ 7.6696, 0.3200,
0.1788

■ 34.0804, 0.3097,
0.3918

■ 6.9724, 0.3205,
0.1671

■ 39.0658, 0.3089,
0.4100

■ 6.5316, 0.3209,
0.1594

■ 44.5366, 0.3081,
0.4265

■ 6.2518, 0.3212,
0.1543

■ 50.5055, 0.3074,
0.4416

■ 56.9847, 0.3067,
0.4553

Harmonies

Analogous

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



15.9526, 0.2794, 0.2695



15.9526, 0.3150, 0.2812



15.9526, 0.3519, 0.3039

Triad

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



15.9526, 0.3150, 0.2812



15.9526, 0.3732, 0.3864



15.9526, 0.2507, 0.3192

Complementary

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



15.9526, 0.3150, 0.2812



19.5724, 0.3102, 0.3819

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.



15.9526, 0.2733, 0.3552



15.9526, 0.3150, 0.2812



15.9526, 0.3437, 0.3955

Square

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



15.9526, 0.3150, 0.2812



15.9526, 0.3865, 0.3629



15.9526, 0.3071, 0.3844



15.9526, 0.2440, 0.2890

Rectangle

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



15.9526, 0.3150, 0.2812



15.9526, 0.3716, 0.3229



15.9526, 0.3071, 0.3844



15.9526, 0.2566, 0.3311

Sweetspot

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



15.9533, 0.3150, 0.2812



35.7184, 0.3134, 0.3147



14.1671, 0.2807, 0.2760



8.0198, 0.3135, 0.3135



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.9533, 0.3150, 0.2812



26.6087, 0.3155, 0.2707



15.6294, 0.3323, 0.3045



4.4123, 0.3137, 0.3078



6.0920, 0.3212, 0.1543



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.9533, 0.3150, 0.2812



26.6087, 0.3155, 0.2707



19.8540, 0.2968, 0.3549



4.4123, 0.3137, 0.3078



6.0920, 0.3212, 0.1543



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9526, 0.3150, 0.2812 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 15.9526, 0.3150, 0.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

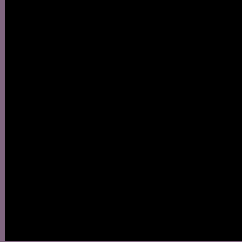
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9526, 0.3150, 0.2812

Background



This preview shows how black text looks on a background with the Yxy color 15.9526, 0.3150, 0.2812.



This preview shows how white text looks on a background with the Yxy color 15.9526, 0.3150, 0.2812.

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

15.9526, 0.3150, 0.2812

Protanopia

15.9373, 0.2798, 0.2818

Deuteranopia

16.0732, 0.2962, 0.2920



Tritanopia

16.0350, 0.3316, 0.3138

Trichromacy



Original Color

15.9526, 0.3150, 0.2812

Protanomaly

15.7587, 0.2915, 0.2808

Deuteranomaly

15.9958, 0.3026, 0.2888

Tritanomaly

16.0243, 0.3265, 0.3027

Monochromacy



Original Color

15.9526, 0.3150, 0.2812

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.4057, 0.3135, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9526, 0.3150, 0.2812 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(129, 103, 129)` looks like.

```
.text, #text, p{  
    color:rgb(129, 103, 129)  
}
```

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(129, 103, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 103, 129) }
```

Border

The CSS property to change the border of an element to Yxy 15.9526, 0.3150, 0.2812 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(129, 103, 129) }
```

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

```
.border{ border-color:rgb(129, 103, 129) }
```

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

Here you see how a box with a 4 pixel rgb(129, 103, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 103, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 103, 129);  
box-shadow:4px 4px 4px 4px rgb(129, 103,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9526, 0.3150, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 103, 129) }
```

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

```
.background{ background-color: rgb(129,  
103, 129) }
```

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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