

Converting Colors

$Y_{xy}(16.9610, 0.3149, 0.2815)$

Have a look what the booklet for
Yxy(16.9610, 0.3149, 0.2815)
contains.

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Color

Yxy(16.9881, 0.3150, 0.2807)

Conversions

Conversions Part 1

Format	Color
Hex	856A85
RGB	133, 106, 133
RGB Percent	52%, 42%, 52%
CMY	0.4783, 0.5843, 0.4784
CMYK	0.00, 0.20, 0.00, 0.48
HSL	300°, 11%, 47%
HSV	300°, 20%, 52%
XYZ	19.0640, 16.9881, 24.4684
YIQ	117.1510, 7.4250, 14.1210

Conversions

Conversions Part 2

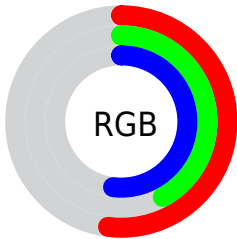
Format	Color
R_{YB}	133, 106, 133
Decimal	8743557
CIE _{Lab}	48.25, 15.76, -10.83
CIE _{LCh}	48, 19.123, 325.517
Yxy	16.9881, 0.3150, 0.2807
Android (android.graphics.Color)	4286933637 (0xFF856A85)
YUV	117.1510, 7.8136, 13.8996
Hunter-Lab	41.2166, 10.4326, -6.3461

Details

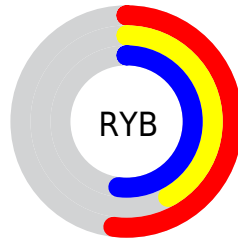
The Yxy color **16.9881, 0.3150, 0.2807** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.8863, 0.3102, 0.3825**, and the grayscale version is **17.8130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0982, 0.3145, 0.2910**, and **5.4896, 0.3159, 0.2611** is the 20% darker color. If you saturate the color by 10%, you get **14.4565, 0.3161, 0.2568**, and if you desaturate by 10%, it is **19.9465, 0.3139, 0.3047**.

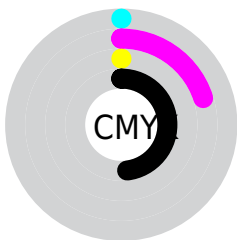
Distribution



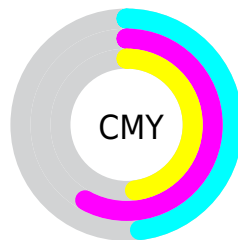
- Red (52%)
- Green (42%)
- Blue (52%)



- Red (52%)
- Yellow (42%)
- Blue (52%)



- Cyan (0%)
- Magenta (20%)
- Yellow (0%)
- Black (48%)





- Cyan (48%)
- Magenta (58%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9881, 0.3150, 0.2807 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 16.9881, 0.3150, 0.2807 by changing the saturation by 10% instead.

 16.9881, 0.3150,
0.2807


 16.9881, 0.3150,
0.2807


235.1038, 0.3140,
0.3080

 10.2260, 0.3151,
0.2726


 38.3053, 0.3147,
0.2915


 5.5491, 0.3151,
0.2613


 53.6292, 0.3146,
0.2953

 2.5729, 0.3148,
0.2443

 72.5759, 0.3145,
0.2984

 0.9131, 0.3135,
0.2164

 95.5296, 0.3144,
0.3009

 0.0000, 0.2685,
0.0000

122.8749, 0.3143,
0.3031

 0.0000, 0.0000,
0.0000

154.9961, 0.3142,

0.3050

192.2776, 0.3141,
0.3066

■ 16.9881, 0.3150,
0.2807

■ 16.9881, 0.3150,
0.2807

■ 14.4565, 0.3161,
0.2568

■ 19.9465, 0.3139,
0.3047

■ 12.3300, 0.3172,
0.2337

■ 23.3477, 0.3128,
0.3283

■ 10.5882, 0.3182,
0.2124


■ 27.2098, 0.3117,
0.3508


■ 9.2080, 0.3191,
0.1937


■ 31.5490, 0.3107,
0.3720


■ 8.1642, 0.3199,
0.1783


■ 36.3808, 0.3098,
0.3918

 7.4279, 0.3204,
0.1667


 41.7201, 0.3089,
0.4100

 6.9657, 0.3208,
0.1590

 47.5810, 0.3081,
0.4266

 6.6809, 0.3210,
0.1542

 53.9772, 0.3074,
0.4417

 60.9217, 0.3068,
0.4554

Harmonies

Analogous

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



16.9881, 0.2791, 0.2689



16.9881, 0.3150, 0.2807



16.9881, 0.3523, 0.3036

Triad

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



16.9881, 0.3150, 0.2807



16.9881, 0.3738, 0.3870



16.9881, 0.2500, 0.3191

Complementary

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



16.9881, 0.3150, 0.2807



20.8863, 0.3102, 0.3825

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.



16.9881, 0.2728, 0.3555



16.9881, 0.3150, 0.2807



16.9881, 0.3441, 0.3963

Square

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



16.9881, 0.3150, 0.2807



16.9881, 0.3873, 0.3632



16.9881, 0.3070, 0.3851



16.9881, 0.2433, 0.2885

Rectangle

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



16.9881, 0.3150, 0.2807



16.9881, 0.3722, 0.3228



16.9881, 0.3070, 0.3851



16.9881, 0.2560, 0.3311

Sweetspot

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



16.9888, 0.3150, 0.2807



38.1553, 0.3134, 0.3147



15.0643, 0.2803, 0.2754



8.5252, 0.3135, 0.3134



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.



16.9888, 0.3150, 0.2807



28.4057, 0.3155, 0.2705



16.6392, 0.3326, 0.3042



4.7628, 0.3137, 0.3076



6.3611, 0.3210, 0.1542



0.0220, 0.3210, 0.1542

Inverse Universe

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



16.9888, 0.3150, 0.2807



28.4057, 0.3155, 0.2705



21.1897, 0.2966, 0.3552



4.7628, 0.3137, 0.3076



6.3611, 0.3210, 0.1542



0.0220, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 16.9881, 0.3150, 0.2807 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 16.9881, 0.3150, 0.2807 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 16.9881, 0.3150, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 16.9881, 0.3150, 0.2807.



This preview shows how white text looks on a background with the Yxy color 16.9881, 0.3150, 0.2807.

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

16.9881, 0.3150, 0.2807

Protanopia

17.1208, 0.2796, 0.2830

Deuteranopia

17.1058, 0.2967, 0.2912



Tritanopia

17.0469, 0.3325, 0.3142

Trichromacy



Original Color

16.9881, 0.3150, 0.2807

Protanomaly

16.9980, 0.2921, 0.2822

Deuteranomaly

17.0288, 0.3030, 0.2881

Tritanomaly

17.0607, 0.3262, 0.3016

Monochromacy



Original Color

16.9881, 0.3150, 0.2807

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4513, 0.3136, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9881, 0.3150, 0.2807 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, 106, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 106, 133)  
}
```

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, 106, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 106, 133) }
```

Border

The CSS property to change the border of an element to Yxy 16.9881, 0.3150, 0.2807 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, 106, 133) }
```

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

```
.border{ border-color:rgb(133, 106, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 106, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 106, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 106, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 106,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9881, 0.3150, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 106, 133) }
```

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

```
.background{ background-color: rgb(133,  
106, 133) }
```

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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