

Converting Colors

$Y_{xy}(16.9356, 0.3144, 0.2814)$

Have a look what the booklet for
Yxy(16.9356, 0.3144, 0.2814)
contains.

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Color

Yxy(16.9071, 0.3137, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	846A85
RGB	132, 106, 133
RGB Percent	52%, 42%, 52%
CMY	0.4822, 0.5844, 0.4784
CMYK	0.01, 0.20, 0.00, 0.48
HSL	298°, 11%, 47%
HSV	298°, 20%, 52%
XYZ	18.9082, 16.9071, 24.4595
YIQ	116.8520, 6.8290, 13.9090

Conversions

Conversions Part 2

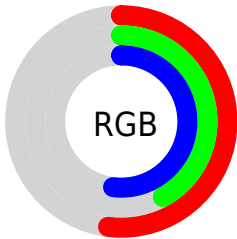
Format	Color
R_{YB}	132, 106, 133
Decimal	8678021
CIE _{Lab}	48.14, 15.40, -10.99
CIE _{LCh}	48, 18.922, 324.499
Yxy	16.9071, 0.3137, 0.2805
Android (android.graphics.Color)	4286868101 (0xFF846A85)
YUV	116.8520, 7.9610, 13.2848
Hunter-Lab	41.1182, 10.1263, -6.4864

Details

The Yxy color **16.9071, 0.3137, 0.2805** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9405, 0.3113, 0.3824**, and the grayscale version is **17.7157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9734, 0.3136, 0.2909**, and **5.5463, 0.3137, 0.2634** is the 20% darker color. If you saturate the color by 10%, you get **14.3378, 0.3141, 0.2563**, and if you desaturate by 10%, it is **19.9032, 0.3132, 0.3047**.

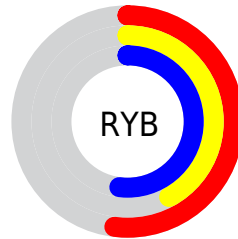
Distribution



Red (52%)

Green (42%)

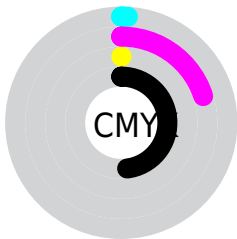
Blue (52%)



Red (52%)

Yellow (42%)

Blue (52%)

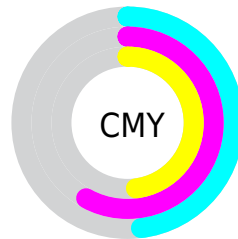


Cyan (1%)

Magenta (20%)

Yellow (0%)

Black (48%)



Cyan (48%)


Magenta (58%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9071, 0.3137, 0.2805 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 16.9071, 0.3137, 0.2805 by changing the saturation by 10% instead.


 16.9071, 0.3137,
0.2805


 16.9071, 0.3137,
0.2805


234.6365, 0.3135,
0.3079


 10.1683, 0.3136,
0.2723


 38.1660, 0.3137,
0.2914


 5.5107, 0.3133,
0.2609


 53.4548, 0.3137,
0.2951

 2.5499, 0.3124,
0.2439

 72.3625, 0.3137,
0.2982

 0.9015, 0.3101,
0.2157

 95.2733, 0.3136,
0.3008

 0.0000, 0.2492,
0.0000

122.5717, 0.3136,
0.3030

 0.0000, 0.0000,
0.0000

154.6421, 0.3136,

0.3049

191.8689, 0.3135,
0.3065

■ 16.9071, 0.3137,
0.2805

■ 16.9071, 0.3137,
0.2805

■ 14.3378, 0.3141,
0.2563

■ 19.9032, 0.3132,
0.3047

■ 12.1736, 0.3143,
0.2328

■ 23.3423, 0.3127,
0.3283

■ 10.3942, 0.3144,
0.2110

■ 27.2422, 0.3122,
0.3508

■ 8.9766, 0.3143,
0.1916

■ 31.6193, 0.3116,
0.3720

■ 7.8954, 0.3140,
0.1755

■ 36.4891, 0.3110,
0.3916

7.1218, 0.3135,
0.1631

41.8663, 0.3104,
0.4097

6.6224, 0.3129,
0.1548

47.7652, 0.3099,
0.4262

6.3016, 0.3122,
0.1494

54.1994, 0.3093,
0.4412

61.1819, 0.3088,
0.4547

Harmonies

Analogous

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



16.9071, 0.2783, 0.2692



16.9071, 0.3137, 0.2805



16.9071, 0.3508, 0.3029

Triad

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



16.9071, 0.3137, 0.2805



16.9071, 0.3741, 0.3859



16.9071, 0.2511, 0.3204

Complementary

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



16.9071, 0.3137, 0.2805



20.9405, 0.3113, 0.3824

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.



16.9071, 0.2742, 0.3565



16.9071, 0.3137, 0.2805



16.9071, 0.3450, 0.3957

Square

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



16.9071, 0.3137, 0.2805



16.9071, 0.3867, 0.3620



16.9071, 0.3083, 0.3852



16.9071, 0.2438, 0.2897

Rectangle

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



16.9071, 0.3137, 0.2805



16.9071, 0.3708, 0.3219



16.9071, 0.3083, 0.3852



16.9071, 0.2572, 0.3324

Sweetspot

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



16.9078, 0.3137, 0.2805



38.1129, 0.3130, 0.3147



15.3432, 0.2805, 0.2782



8.5148, 0.3131, 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.



16.9078, 0.3137, 0.2805



28.2370, 0.3139, 0.2702



16.6694, 0.3308, 0.3018



4.7546, 0.3132, 0.3075



6.0024, 0.3122, 0.1494



0.0215, 0.3169, 0.1519

Inverse Universe

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



16.3532, 0.3498, 0.3273



27.0750, 0.3598, 0.3269



21.1520, 0.2980, 0.3579



4.6912, 0.3274, 0.3283



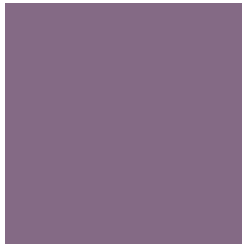
4.7600, 0.6343, 0.3268



0.0167, 0.6093, 0.3130

Previews

White Background



This preview shows how the Yxy color 16.9071, 0.3137, 0.2805 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 16.9071, 0.3137, 0.2805 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 16.9071, 0.3137, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 16.9071, 0.3137, 0.2805.



This preview shows how white text looks on a background with the Yxy color 16.9071, 0.3137, 0.2805.

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

16.9071, 0.3137, 0.2805

Protanopia

16.8964, 0.2794, 0.2811

Deuteranopia

17.0362, 0.2955, 0.2910



Tritanopia

16.9675, 0.3311, 0.3141

Trichromacy



Original Color

16.9071, 0.3137, 0.2805

Protanomaly

16.7113, 0.2909, 0.2801

Deuteranomaly

16.9554, 0.3017, 0.2879

Tritanomaly

16.9805, 0.3248, 0.3014

Monochromacy



Original Color

16.9071, 0.3137, 0.2805

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3779, 0.3123, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9071, 0.3137, 0.2805 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(132, 106, 133)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 106, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 106, 133) }
```

Border

The CSS property to change the border of an element to Yxy 16.9071, 0.3137, 0.2805 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(132, 106, 133) }
```

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

```
.border{ border-color:rgb(132, 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(132, 106, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 106, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 106, 133);  
box-shadow:4px 4px 4px 4px rgb(132, 106,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9071, 0.3137, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 106, 133) }
```

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

```
.background{ background-color: rgb(132,  
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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