

Converting Colors

$Y_{xy}(16.7943, 0.3174, 0.2831)$

Have a look what the booklet for
Yxy(16.7943, 0.3174, 0.2831)
contains.

Yxy(16.7284, 0.3176, 0.2823)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7284, 0.3176, 0.2823)

Conversions

Conversions Part 1

Format	Color
Hex	856983
RGB	133, 105, 131
RGB Percent	52%, 41%, 51%
CMY	0.4785, 0.5882, 0.4863
CMYK	0.00, 0.21, 0.01, 0.48
HSL	304°, 12%, 47%
HSV	304°, 21%, 52%
XYZ	18.8202, 16.7284, 23.7089
YIQ	116.3360, 8.3420, 14.0220

Conversions

Conversions Part 2

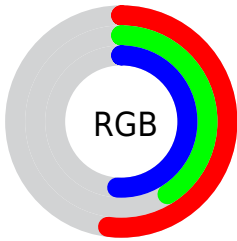
Format	Color
R_{YB}	133, 105, 131
Decimal	8743299
CIE Lab	47.92, 15.93, -10.12
CIE LCh	48, 18.873, 327.564
Yxy	16.7284, 0.3176, 0.2823
Android (android.graphics.Color)	4286933379 (0xFF856983)
YUV	116.3360, 7.2294, 14.6143
Hunter-Lab	40.9004, 10.5606, -5.7387

Details

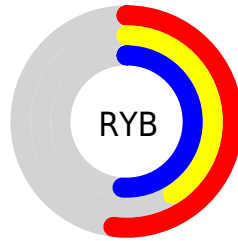
The Yxy color **16.7284, 0.3176, 0.2823** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.8385, 0.3081, 0.3806**, and the grayscale version is **17.5492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6767, 0.3164, 0.2922**, and **5.4743, 0.3179, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **14.2027, 0.3202, 0.2598**, and if you desaturate by 10%, it is **19.6795, 0.3152, 0.3048**.

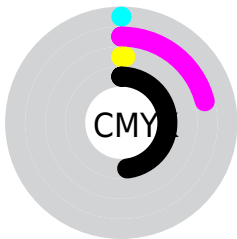
Distribution



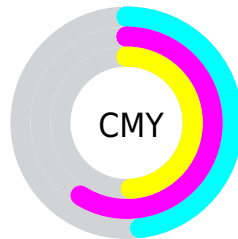
- Red (52%)
- Green (41%)
- Blue (51%)



- Red (52%)
- Yellow (41%)
- Blue (51%)



- Cyan (0%)
- Magenta (21%)
- Yellow (1%)
- Black (48%)




- Cyan (48%)
- Magenta (59%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7284, 0.3176, 0.2823 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 16.7284, 0.3176, 0.2823 by changing the saturation by 10% instead.


 16.7284, 0.3176,
0.2823


 16.7284, 0.3176,
0.2823


233.6023, 0.3151,
0.3088


 10.0410, 0.3182,
0.2744


 37.8582, 0.3167,
0.2928


 5.4262, 0.3189,
0.2633


 53.0694, 0.3164,
0.2965

 2.4994, 0.3197,
0.2467

 71.8908, 0.3161,
0.2994

 0.8763, 0.3203,
0.2190

 94.7065, 0.3158,
0.3019

 0.0000, 0.2708,
0.0000

121.9012, 0.3156,
0.3040

 0.0000, 0.0000,
0.0000

153.8591, 0.3154,

0.3058

190.9647, 0.3153,
0.3074

■ 16.7284, 0.3176,
0.2823

■ 16.7284, 0.3176,
0.2823

■ 14.2027, 0.3202,
0.2598

■ 19.6795, 0.3152,
0.3048

■ 12.0806, 0.3231,
0.2381

■ 23.0722, 0.3129,
0.3268

■ 10.3417, 0.3260,
0.2178

■ 26.9245, 0.3109,
0.3478

■ 8.9627, 0.3289,
0.2001

■ 31.2527, 0.3092,
0.3675

■ 7.9181, 0.3318,
0.1855

■ 36.0724, 0.3076,
0.3859

7.1789, 0.3345,
0.1747

41.3985, 0.3063,
0.4029

6.7112, 0.3370,
0.1680

47.2452, 0.3051,
0.4185

6.4290, 0.3391,
0.1642

53.6260, 0.3041,
0.4326

60.5543, 0.3032,
0.4455

Harmonies

Analogous

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



16.7284, 0.2815, 0.2697



16.7284, 0.3176, 0.2823



16.7284, 0.3543, 0.3056

Triad

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



16.7284, 0.3176, 0.2823



16.7284, 0.3718, 0.3878



16.7284, 0.2495, 0.3168

Complementary

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



16.7284, 0.3176, 0.2823



20.8385, 0.3081, 0.3806

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.



16.7284, 0.2712, 0.3529



16.7284, 0.3176, 0.2823



16.7284, 0.3414, 0.3957

Square

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



16.7284, 0.3176, 0.2823



16.7284, 0.3864, 0.3649



16.7284, 0.3045, 0.3831



16.7284, 0.2440, 0.2872

Rectangle

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



16.7284, 0.3176, 0.2823



16.7284, 0.3734, 0.3249



16.7284, 0.3045, 0.3831



16.7284, 0.2551, 0.3287

Sweetspot

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



16.7291, 0.3176, 0.2823



38.1268, 0.3140, 0.3157



14.9156, 0.2813, 0.2736



8.5182, 0.3142, 0.3145



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.



16.7291, 0.3176, 0.2823



27.8225, 0.3188, 0.2721



16.3780, 0.3360, 0.3067



4.7573, 0.3147, 0.3091



6.1249, 0.3391, 0.1642



0.0216, 0.3292, 0.1587

Inverse Universe

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



16.7291, 0.3176, 0.2823



27.8225, 0.3188, 0.2721



21.1541, 0.2942, 0.3525



4.7573, 0.3147, 0.3091



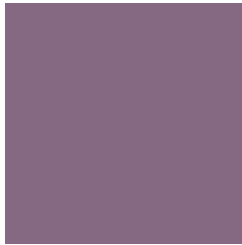
6.1249, 0.3391, 0.1642



0.0216, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 16.7284, 0.3176, 0.2823 looks on a white background.

Color Contrast Check

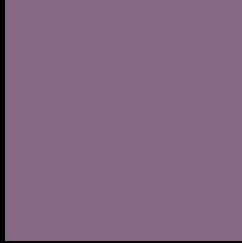
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7284, 0.3176, 0.2823 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 16.7284, 0.3176, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 16.7284, 0.3176, 0.2823.



This preview shows how white text looks on a background with the Yxy color 16.7284, 0.3176, 0.2823.

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

16.7284, 0.3176, 0.2823

Protanopia

16.8390, 0.2815, 0.2846

Deuteranopia

16.7625, 0.2977, 0.2927



Tritanopia

16.8114, 0.3340, 0.3142

Trichromacy



Original Color

16.7284, 0.3176, 0.2823

Protanomaly

16.7246, 0.2944, 0.2837

Deuteranomaly

16.7599, 0.3054, 0.2897

Tritanomaly

16.8014, 0.3290, 0.3033

Monochromacy



Original Color

16.7284, 0.3176, 0.2823

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.1064, 0.3148, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7284, 0.3176, 0.2823 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, 105, 131)` looks like.

```
.text, #text, p{  
    color:rgb(133, 105, 131)  
}
```

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, 105, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 105, 131) }
```

Border

The CSS property to change the border of an element to Yxy 16.7284, 0.3176, 0.2823 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, 105, 131) }
```

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

```
.border{ border-color:rgb(133, 105, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 105, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 105, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 105, 131);  
box-shadow:4px 4px 4px 4px rgb(133, 105,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7284, 0.3176, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 105, 131) }
```

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

```
.background{ background-color: rgb(133,  
105, 131) }
```

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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