

Converting Colors

$Y_{xy}(16.9762, 0.3200, 0.2884)$

Have a look what the booklet for
Yxy(16.9762, 0.3200, 0.2884)
contains.

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Color

Yxy(16.8796, 0.3201, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	856A81
RGB	133, 106, 129
RGB Percent	52%, 42%, 51%
CMY	0.4783, 0.5844, 0.4941
CMYK	0.00, 0.20, 0.03, 0.48
HSL	309°, 11%, 47%
HSV	309°, 20%, 52%
XYZ	18.7936, 16.8796, 23.0385
YIQ	116.6950, 8.7090, 12.8770

Conversions

Conversions Part 2

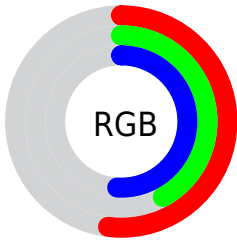
Format	Color
R_{YB}	133, 106, 129
Decimal	8743553
CIE Lab	48.11, 14.96, -8.65
CIE LCh	48, 17.282, 329.979
Yxy	16.8796, 0.3201, 0.2875
Android (android.graphics.Color)	4286933633 (0xFF856A81)
YUV	116.6950, 6.0664, 14.2995
Hunter-Lab	41.0848, 9.7537, -4.4877

Details

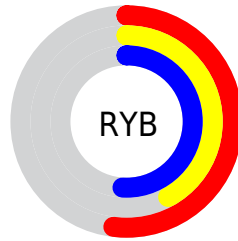
The Yxy color **16.8796, 0.3201, 0.2875** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.9742, 0.3061, 0.3744**, and the grayscale version is **17.6700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9304, 0.3181, 0.2961**, and **5.5461, 0.3219, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **14.2960, 0.3244, 0.2666**, and if you desaturate by 10%, it is **19.8911, 0.3162, 0.3082**.

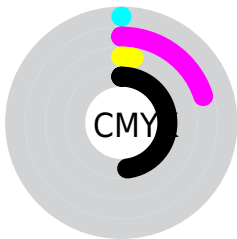
Distribution



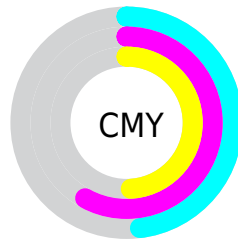
- Red (52%)
- Green (42%)
- Blue (51%)



- Red (52%)
- Yellow (42%)
- Blue (51%)



- Cyan (0%)
- Magenta (20%)
- Yellow (3%)
- Black (48%)





- Cyan (48%)
- Magenta (58%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8796, 0.3201, 0.2875 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 16.8796, 0.3201, 0.2875 by changing the saturation by 10% instead.


 16.8796, 0.3201,
0.2875

 16.8796, 0.3201,
0.2875


234.4776, 0.3161,
0.3111

 10.1487, 0.3212,
0.2804


 38.1187, 0.3186,
0.2969


 5.4977, 0.3227,
0.2705


 53.3956, 0.3180,
0.3001

 2.5421, 0.3248,
0.2555

 72.2900, 0.3176,
0.3028

 0.8977, 0.3277,
0.2303

 95.1862, 0.3172,
0.3050

 0.0000, 0.3063,
0.0000

122.4687, 0.3168,
0.3069

 0.0000, 0.0000,
0.0000

154.5218, 0.3166,

0.3085

191.7300, 0.3163,
0.3099

■ 16.8796, 0.3201,
0.2875

■ 16.8796, 0.3201,
0.2875

■ 14.2960, 0.3244,
0.2666

■ 19.8911, 0.3162,
0.3082

■ 12.1184, 0.3292,
0.2462

■ 23.3466, 0.3128,
0.3284

■ 10.3266, 0.3344,
0.2270


■ 27.2640, 0.3099,
0.3475

■ 8.8976, 0.3398,
0.2100

■ 31.6597, 0.3073,
0.3655


■ 7.8059, 0.3454,
0.1960


■ 36.5491, 0.3051,
0.3822


 7.0228, 0.3509,
0.1857


 41.9470, 0.3033,
0.3976

 6.5147, 0.3562,
0.1796

 47.8678, 0.3017,
0.4117

 6.1866, 0.3613,
0.1764

 54.3249, 0.3003,
0.4246

 61.3315, 0.2992,
0.4364

Harmonies

Analogous

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



16.8796, 0.2867, 0.2750



16.8796, 0.3201, 0.2875



16.8796, 0.3531, 0.3097

Triad

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



16.8796, 0.3201, 0.2875



16.8796, 0.3650, 0.3840



16.8796, 0.2538, 0.3156

Complementary

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



16.8796, 0.3201, 0.2875



20.9742, 0.3061, 0.3744

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.



16.8796, 0.2727, 0.3482



16.8796, 0.3201, 0.2875



16.8796, 0.3365, 0.3894

Square

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



16.8796, 0.3201, 0.2875



16.8796, 0.3796, 0.3641



16.8796, 0.3027, 0.3764



16.8796, 0.2499, 0.2892

Rectangle

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



16.8796, 0.3201, 0.2875



16.8796, 0.3697, 0.3277



16.8796, 0.3027, 0.3764



16.8796, 0.2585, 0.3262

Sweetspot

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



16.8803, 0.3201, 0.2875



38.0957, 0.3147, 0.3168



15.2893, 0.2847, 0.2761



8.5106, 0.3149, 0.3157



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.



16.8803, 0.3201, 0.2875



28.1714, 0.3219, 0.2787



16.5540, 0.3375, 0.3107



4.7512, 0.3158, 0.3107



5.8905, 0.3612, 0.1763



0.0212, 0.3393, 0.1643

Inverse Universe

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



16.8803, 0.3201, 0.2875



28.1714, 0.3219, 0.2787



21.2810, 0.2931, 0.3481



4.7512, 0.3158, 0.3107



5.8905, 0.3612, 0.1763



0.0212, 0.3393, 0.1643

Previews

White Background



This preview shows how the Yxy color 16.8796, 0.3201, 0.2875 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 16.8796, 0.3201, 0.2875 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 16.8796, 0.3201, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 16.8796, 0.3201, 0.2875.



This preview shows how white text looks on a background with the Yxy color 16.8796, 0.3201, 0.2875.

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

16.8796, 0.3201, 0.2875

Protanopia

16.8465, 0.2848, 0.2884

Deuteranopia

16.8493, 0.3026, 0.2966



Tritanopia

16.8348, 0.3327, 0.3123

Trichromacy



Original Color

16.8796, 0.3201, 0.2875

Protanomaly

16.6694, 0.2966, 0.2873

Deuteranomaly

16.7809, 0.3091, 0.2934

Tritanomaly

16.8014, 0.3290, 0.3033

Monochromacy



Original Color

16.8796, 0.3201, 0.2875

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4017, 0.3160, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8796, 0.3201, 0.2875 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(133, 106, 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(133, 106, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 106, 129) }
```

Border

The CSS property to change the border of an element to Yxy 16.8796, 0.3201, 0.2875 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, 129) }
```

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

```
.border{ border-color:rgb(133, 106, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 106, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 106, 129);  
box-shadow:4px 4px 4px 4px rgb(133, 106,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8796, 0.3201, 0.2875 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, 129) }
```

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

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