

Converting Colors

$Y_{xy}(16.1842, 0.3275, 0.2810)$

Have a look what the booklet for
Yxy(16.1842, 0.3275, 0.2810)
contains.

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Color

Yxy(16.1842, 0.3275, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	896580
RGB	137, 101, 128
RGB Percent	54%, 40%, 50%
CMY	0.4629, 0.6039, 0.4981
CMYK	0.00, 0.26, 0.07, 0.46
HSL	315°, 15%, 47%
HSV	315°, 26%, 54%
XYZ	18.8624, 16.1842, 22.5484
YIQ	114.8420, 12.7890, 16.0290

Conversions

Conversions Part 2

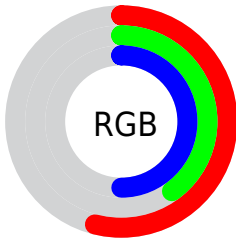
Format	Color
R_{YB}	137, 101, 128
Decimal	9004416
CIE _{Lab}	47.22, 19.17, -9.33
CIE _{LCh}	47, 21.319, 334.032
Yxy	16.1842, 0.3275, 0.2810
Android (android.graphics.Color)	4287194496 (0xFF896580)
YUV	114.8420, 6.4869, 19.4326
Hunter-Lab	40.2296, 13.2912, -5.0710

Details

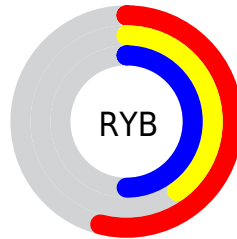
The Yxy color **16.1842, 0.3275, 0.2810** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.7766, 0.3007, 0.3824**, and the grayscale version is **17.0710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8690, 0.3243, 0.2912**, and **5.2291, 0.3340, 0.2622** is the 20% darker color. If you saturate the color by 10%, you get **13.6540, 0.3347, 0.2623**, and if you desaturate by 10%, it is **19.1622, 0.3212, 0.2997**.

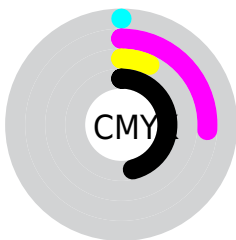
Distribution



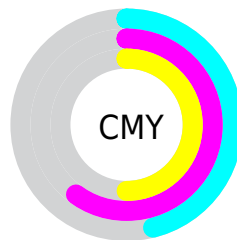
- Red (54%)
- Green (40%)
- Blue (50%)



- Red (54%)
- Yellow (40%)
- Blue (50%)



- Cyan (0%)
- Magenta (26%)
- Yellow (7%)
- Black (46%)




- Cyan (46%)
- Magenta (60%)
- Yellow (50%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1842, 0.3275, 0.2810 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 16.1842, 0.3275, 0.2810 by changing the saturation by 10% instead.


 16.1842, 0.3275,
0.2810


 16.1842, 0.3275,
0.2810

230.4262, 0.3192,
0.3083


 9.6546, 0.3299,
0.2728


 36.9177, 0.3243,
0.2918


 5.1705, 0.3332,
0.2613


 51.8904, 0.3231,
0.2956

 2.3477, 0.3381,
0.2440

 70.4462, 0.3222,
0.2987

 0.7988, 0.3460,
0.2145

 92.9695, 0.3214,
0.3012

 0.0000, 0.3556,
0.0000

119.8448, 0.3207,
0.3034

 0.0000, 0.0000,
0.0000

151.4564, 0.3202,

0.3053

188.1888, 0.3197,
0.3069

■ 16.1842, 0.3275,
0.2810

■ 16.1842, 0.3275,
0.2810

■ 13.6540, 0.3347,
0.2623

■ 19.1622, 0.3212,
0.2997

■ 11.5474, 0.3427,
0.2444

■ 22.6064, 0.3157,
0.3180

■ 9.8414, 0.3515,
0.2280

■ 26.5366, 0.3110,
0.3354

■ 8.5097, 0.3610,
0.2140

■ 30.9710, 0.3071,
0.3519

■ 7.5230, 0.3708,
0.2035

■ 35.9267, 0.3037,
0.3672

■ 6.8474, 0.3806,
0.1972

■ 41.4200, 0.3009,
0.3814

■ 6.4278, 0.3903,
0.1950

■ 47.4667, 0.2985,
0.3945

■ 6.2904, 0.3941,
0.1945

■ 54.0818, 0.2965,
0.4064

■ 61.2796, 0.2948,
0.4174

Harmonies

Analogous

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



16.1842, 0.2852, 0.2639



16.1842, 0.3275, 0.2810



16.1842, 0.3681, 0.3091

Triad

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



16.1842, 0.3275, 0.2810



16.1842, 0.3736, 0.3996



16.1842, 0.2381, 0.3063

Complementary

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



16.1842, 0.3275, 0.2810



21.7766, 0.3007, 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.



16.1842, 0.2587, 0.3473



16.1842, 0.3275, 0.2810



16.1842, 0.3362, 0.4046

Square

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



16.1842, 0.3275, 0.2810



16.1842, 0.3952, 0.3758



16.1842, 0.2942, 0.3852



16.1842, 0.2361, 0.2758

Rectangle

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



16.1842, 0.3275, 0.2810



16.1842, 0.3874, 0.3314



16.1842, 0.2942, 0.3852



16.1842, 0.2430, 0.3194

Sweetspot

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



16.1849, 0.3275, 0.2810



39.2465, 0.3167, 0.3145



14.3931, 0.2796, 0.2592



8.6097, 0.3174, 0.3121



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.1849, 0.3275, 0.2810



26.4361, 0.3313, 0.2708



15.7657, 0.3520, 0.3115



5.1080, 0.3172, 0.3127



5.8641, 0.3938, 0.1943



0.0413, 0.3541, 0.1724

Inverse Universe

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



16.1849, 0.3275, 0.2810



26.4361, 0.3313, 0.2708



22.1932, 0.2843, 0.3473



5.1080, 0.3172, 0.3127



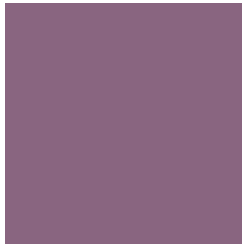
5.8641, 0.3938, 0.1943



0.0413, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 16.1842, 0.3275, 0.2810 looks on a white background.

Color Contrast Check

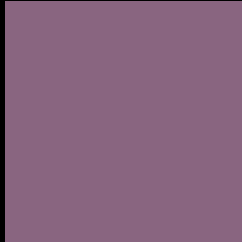
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1842, 0.3275, 0.2810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

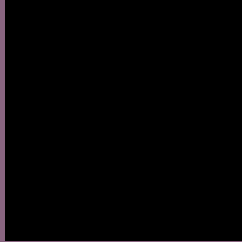
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1842, 0.3275, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 16.1842, 0.3275, 0.2810.



This preview shows how white text looks on a background with the Yxy color 16.1842, 0.3275, 0.2810.

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

16.1842, 0.3275, 0.2810

Protanopia

16.2439, 0.2800, 0.2821

Deuteranopia

16.1566, 0.3011, 0.2960



Tritanopia

16.2214, 0.3462, 0.3143

Trichromacy



Original Color

16.1842, 0.3275, 0.2810

Protanomaly

16.0329, 0.2966, 0.2815

Deuteranomaly

16.1255, 0.3105, 0.2895

Tritanomaly

16.2427, 0.3395, 0.3018

Monochromacy



Original Color

16.1842, 0.3275, 0.2810

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7189, 0.3176, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1842, 0.3275, 0.2810 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(137, 101, 128)` looks like.

```
.text, #text, p{  
    color:rgb(137, 101, 128)  
}
```

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(137, 101, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 101, 128) }
```

Border

The CSS property to change the border of an element to Yxy 16.1842, 0.3275, 0.2810 is called "border". The border property can be set on classes, ids or directly on the HTML element.

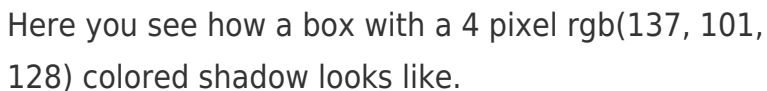
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 101, 128) }
```

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

```
.border{ border-color:rgb(137, 101, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 101, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 101, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 101, 128); box-shadow:4px 4px 4px 4px rgb(137, 101, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1842, 0.3275, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 101, 128) }
```

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

```
.background{ background-color: rgb(137,  
101, 128) }
```

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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