

Converting Colors

$Y_{xy}(16.9207, 0.3280, 0.2636)$

Have a look what the booklet for
Yxy(16.9207, 0.3280, 0.2636)
contains.

Yxy(16.9617, 0.3281, 0.2640)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.9617, 0.3281, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	93638A
RGB	147, 99, 138
RGB Percent	58%, 39%, 54%
CMY	0.4236, 0.6117, 0.4588
CMYK	0.00, 0.33, 0.06, 0.42
HSL	311°, 20%, 48%
HSV	311°, 33%, 58%
XYZ	21.0801, 16.9617, 26.2071
YIQ	117.7980, 16.0890, 22.3050

Conversions

Conversions Part 2

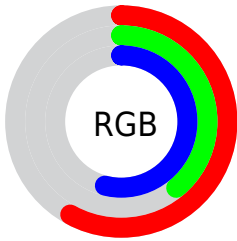
Format	Color
R_{YB}	147, 99, 138
Decimal	9659274
CIE _{Lab}	48.21, 25.88, -13.70
CIE _{LCh}	48, 29.282, 332.108
Yxy	16.9617, 0.3281, 0.2640
Android (android.graphics.Color)	4287849354 (0xFF93638A)
YUV	117.7980, 9.9596, 25.6102
Hunter-Lab	41.1846, 19.2910, -8.8990

Details

The Yxy color **16.9617, 0.3281, 0.2640** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.5994, 0.3005, 0.4042**, and the grayscale version is **18.0152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1308, 0.3258, 0.2781**, and **5.5051, 0.3324, 0.2387** is the 20% darker color. If you saturate the color by 10%, you get **14.3472, 0.3341, 0.2444**, and if you desaturate by 10%, it is **20.0867, 0.3227, 0.2842**.

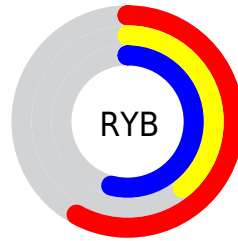
Distribution



Red (58%)

Green (39%)

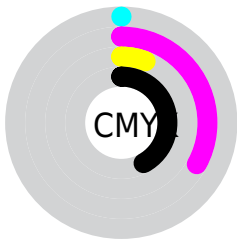
Blue (54%)



Red (58%)

Yellow (39%)

Blue (54%)

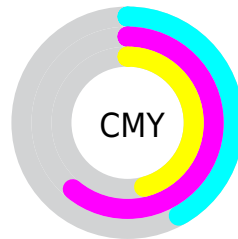


Cyan (0%)

Magenta (33%)

Yellow (6%)

Black (42%)



Cyan (42%)


Magenta (61%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9617, 0.3281, 0.2640 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 16.9617, 0.3281, 0.2640 by changing the saturation by 10% instead.


 16.9617, 0.3281,
0.2640


 16.9617, 0.3281,
0.2640


234.9516, 0.3199,
0.3001


 10.2072, 0.3303,
0.2536


 38.2599, 0.3250,
0.2781


 5.5365, 0.3332,
0.2392


 53.5724, 0.3239,
0.2831

 2.5654, 0.3370,
0.2183

 72.5063, 0.3229,
0.2872

 0.9093, 0.3422,
0.1852

 95.4461, 0.3221,
0.2906

 0.0000, 0.3741,
0.0000

122.7761, 0.3215,
0.2936

 0.0000, 0.0000,
0.0000

154.8808, 0.3209,

0.2961

192.1445, 0.3204,
0.2982

■ 16.9617, 0.3281,
0.2640

■ 16.9617, 0.3281,
0.2640

■ 14.3472, 0.3341,
0.2444

■ 20.0867, 0.3227,
0.2842

■ 12.2133, 0.3406,
0.2262

■ 23.7454, 0.3179,
0.3044

■ 10.5308, 0.3475,
0.2103


■ 27.9622, 0.3137,
0.3240


■ 9.2659, 0.3547,
0.1977


■ 32.7596, 0.3101,
0.3426


■ 8.3805, 0.3618,
0.1890


■ 38.1585, 0.3070,
0.3602


 7.8293, 0.3687,
0.1847

 44.1791, 0.3044,
0.3765

 7.5446, 0.3737,
0.1832

 50.8405, 0.3022,
0.3915

 58.1608, 0.3003,
0.4054

 66.1578, 0.2987,
0.4180

Harmonies

Analogous

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



16.9617, 0.2721, 0.2429



16.9617, 0.3281, 0.2640



16.9617, 0.3844, 0.2992

Triad

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



16.9617, 0.3281, 0.2640



16.9617, 0.3959, 0.4214



16.9617, 0.2152, 0.3001

Complementary

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



16.9617, 0.3281, 0.2640



24.5994, 0.3005, 0.4042

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.



16.9617, 0.2427, 0.3571



16.9617, 0.3281, 0.2640



16.9617, 0.3462, 0.4333

Square

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



16.9617, 0.3281, 0.2640



16.9617, 0.4244, 0.3863



16.9617, 0.2901, 0.4097



16.9617, 0.2114, 0.2590

Rectangle

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



16.9617, 0.3281, 0.2640



16.9617, 0.4121, 0.3275



16.9617, 0.2901, 0.4097



16.9617, 0.2218, 0.3180

Sweetspot

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



16.9625, 0.3281, 0.2640



44.2780, 0.3168, 0.3092



14.2078, 0.2666, 0.2384



9.8970, 0.3174, 0.3067



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.9625, 0.3281, 0.2640



26.9382, 0.3323, 0.2498



16.3470, 0.3619, 0.3028



5.8907, 0.3164, 0.3112



6.5454, 0.3734, 0.1831



0.0840, 0.3447, 0.1672

Inverse Universe

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



16.9625, 0.3281, 0.2640



26.9382, 0.3323, 0.2498



25.1771, 0.2799, 0.3572



5.8907, 0.3164, 0.3112



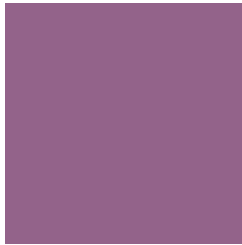
6.5454, 0.3734, 0.1831



0.0840, 0.3447, 0.1672

Previews

White Background



This preview shows how the Yxy color 16.9617, 0.3281, 0.2640 looks on a white background.

Color Contrast Check

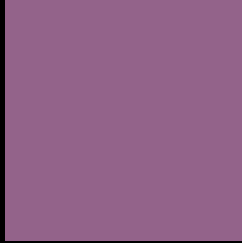
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9617, 0.3281, 0.2640 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 16.9617, 0.3281, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 16.9617, 0.3281, 0.2640.



This preview shows how white text looks on a background with the Yxy color 16.9617, 0.3281, 0.2640.

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

16.9617, 0.3281, 0.2640

Protanopia

17.2369, 0.2664, 0.2653

Deuteranopia

17.0789, 0.2898, 0.2838



Tritanopia

16.9998, 0.3591, 0.3150

Trichromacy



Original Color

16.9617, 0.3281, 0.2640

Protanomaly

17.0158, 0.2868, 0.2654

Deuteranomaly

16.8336, 0.3022, 0.2746

Tritanomaly

16.9030, 0.3482, 0.2961

Monochromacy



Original Color

16.9617, 0.3281, 0.2640

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.5167, 0.3192, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9617, 0.3281, 0.2640 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(147, 99, 138)` looks like.

```
.text, #text, p{  
    color:rgb(147, 99, 138)  
}
```

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(147, 99, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 99, 138) }
```

Border

The CSS property to change the border of an element to Yxy 16.9617, 0.3281, 0.2640 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(147, 99, 138) }
```

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

```
.border{ border-color:rgb(147, 99, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 99, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 99, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 99, 138);  
box-shadow:4px 4px 4px 4px rgb(147, 99,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9617, 0.3281, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 99, 138) }
```

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

```
.background{ background-color: rgb(147, 99,  
138) }
```

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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