

Converting Colors

$Y_{xy}(19.9050, 0.3197, 0.2894)$

Have a look what the booklet for
Yxy(19.9050, 0.3197, 0.2894)
contains.

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Color

Yxy(19.8472, 0.3196, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	8E738A
RGB	142, 115, 138
RGB Percent	56%, 45%, 54%
CMY	0.4431, 0.5490, 0.4589
CMYK	0.00, 0.19, 0.03, 0.44
HSL	309°, 11%, 50%
HSV	309°, 19%, 56%
XYZ	21.8730, 19.8472, 26.7184
YIQ	125.6950, 8.7090, 12.8770

Conversions

Conversions Part 2

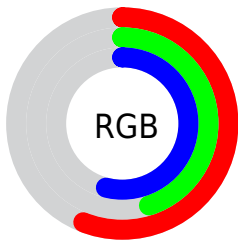
Format	Color
R_{YB}	142, 115, 138
Decimal	9335690
CIE Lab	51.66, 14.75, -8.55
CIE LCh	52, 17.047, 329.897
Yxy	19.8472, 0.3196, 0.2900
Android (android.graphics.Color)	4287525770 (0xFF8E738A)
YUV	125.6950, 6.0664, 14.2995
Hunter-Lab	44.5502, 9.6760, -4.3733

Details

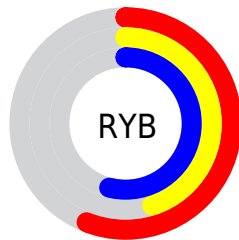
The Yxy color $19.8472, 0.3196, 0.2900$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $24.3241, 0.3065, 0.3714$, and the grayscale version is $20.7323, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.1348, 0.3187, 0.2989$, and $6.9430, 0.3211, 0.2758$ is the 20% darker color. If you saturate the color by 10%, you get $16.7944, 0.3239, 0.2690$, and if you desaturate by 10%, it is $23.4018, 0.3158, 0.3108$.

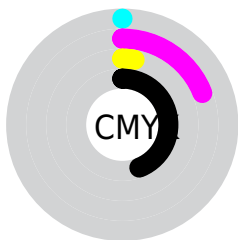
Distribution



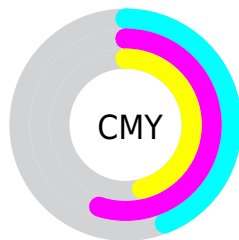
- Red (56%)
- Green (45%)
- Blue (54%)



- Red (56%)
- Yellow (45%)
- Blue (54%)



- Cyan (0%)
- Magenta (19%)
- Yellow (3%)
- Black (44%)





- Cyan (44%)
- Magenta (55%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8472, 0.3196, 0.2900 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 19.8472, 0.3196, 0.2900 by changing the saturation by 10% instead.


 19.8472, 0.3196,
0.2900


 19.8472, 0.3196,
0.2900


251.0867, 0.3159,
0.3117


 12.2840, 0.3206,
0.2837


 43.1609, 0.3182,
0.2985


 6.9374, 0.3219,
0.2751


 59.6801, 0.3177,
0.3015

 3.4230, 0.3237,
0.2623

 79.9535, 0.3173,
0.3039

 1.3563, 0.3262,
0.2419

 104.3655, 0.3169,
0.3060

 0.1842, 0.3526,
0.1214

133.3004, 0.3166,
0.3077

 0.0000, 0.0000,
0.0000

167.1427, 0.3164,

0.3092

206.2766, 0.3161,
0.3105

■ 19.8472, 0.3196,
0.2900

■ 19.8472, 0.3196,
0.2900

■ 16.7944, 0.3239,
0.2690

■ 23.4018, 0.3158,
0.3108

■ 14.2181, 0.3287,
0.2483

■ 27.4769, 0.3124,
0.3309

■ 12.0946, 0.3338,
0.2289

■ 32.0936, 0.3095,
0.3501

■ 10.3972, 0.3392,
0.2115

■ 37.2707, 0.3070,
0.3680

■ 9.0963, 0.3448,
0.1971

■ 43.0264, 0.3048,
0.3846

■ 8.1586, 0.3504,
0.1864

■ 49.3779, 0.3030,
0.3999

■ 7.5453, 0.3558,
0.1799

■ 56.3418, 0.3015,
0.4139

■ 7.1644, 0.3610,
0.1768

■ 63.9341, 0.3002,
0.4267

■ 7.1289, 0.3615,
0.1765

■ 72.1700, 0.2991,
0.4384

Harmonies

Analogous

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



19.8472, 0.2883, 0.2783



19.8472, 0.3196, 0.2900



19.8472, 0.3504, 0.3109

Triad

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



19.8472, 0.3196, 0.2900



19.8472, 0.3617, 0.3804



19.8472, 0.2575, 0.3167

Complementary

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



19.8472, 0.3196, 0.2900



24.3241, 0.3065, 0.3714

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.



19.8472, 0.2753, 0.3471



19.8472, 0.3196, 0.2900



19.8472, 0.3352, 0.3854

Square

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



19.8472, 0.3196, 0.2900



19.8472, 0.3752, 0.3620



19.8472, 0.3035, 0.3731



19.8472, 0.2538, 0.2919

Rectangle

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



19.8472, 0.3196, 0.2900



19.8472, 0.3659, 0.3278



19.8472, 0.3035, 0.3731



19.8472, 0.2620, 0.3266

Sweetspot

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



19.8481, 0.3196, 0.2900



43.2447, 0.3147, 0.3167



18.1095, 0.2866, 0.2795



9.5737, 0.3149, 0.3156



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.8481, 0.3196, 0.2900



32.4879, 0.3215, 0.2806



19.4916, 0.3357, 0.3119



5.4974, 0.3158, 0.3105



6.4026, 0.3613, 0.1764



0.0636, 0.3392, 0.1642

Inverse Universe

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



19.8481, 0.3196, 0.2900



32.4879, 0.3215, 0.2806



24.6605, 0.2942, 0.3468



5.4974, 0.3158, 0.3105



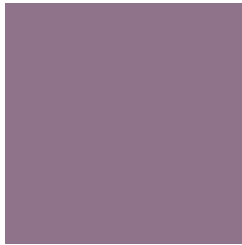
6.4026, 0.3613, 0.1764



0.0636, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 19.8472, 0.3196, 0.2900 looks on a white background.

Color Contrast Check

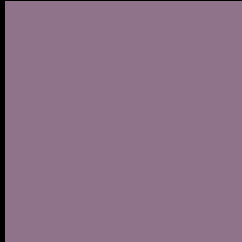
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.8472, 0.3196, 0.2900 looks on a black 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

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

Yxy 19.8472, 0.3196, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 19.8472, 0.3196, 0.2900.



This preview shows how white text looks on a background with the Yxy color 19.8472, 0.3196, 0.2900.

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

19.8472, 0.3196, 0.2900

Protanopia

19.8953, 0.2877, 0.2911

Deuteranopia

19.9062, 0.3044, 0.2988



Tritanopia

19.8044, 0.3313, 0.3133

Trichromacy



Original Color

19.8472, 0.3196, 0.2900

Protanomaly

19.7059, 0.2989, 0.2900

Deuteranomaly

19.8313, 0.3106, 0.2958

Tritanomaly

19.7652, 0.3279, 0.3048

Monochromacy



Original Color

19.8472, 0.3196, 0.2900

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4363, 0.3158, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8472, 0.3196, 0.2900 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(142, 115, 138)` looks like.

```
.text, #text, p{  
    color:rgb(142, 115, 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(142, 115, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 115, 138) }
```

Border

The CSS property to change the border of an element to Yxy 19.8472, 0.3196, 0.2900 is called "border". The border property can be set on classes, ids or directly on the HTML element.

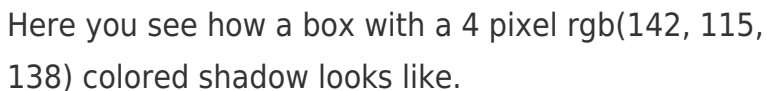
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(142, 115, 138) }
```

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

```
.border{ border-color:rgb(142, 115, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(142, 115, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 115, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 115, 138); box-shadow:4px 4px 4px 4px rgb(142, 115, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8472, 0.3196, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 115, 138) }
```

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

```
.background{ background-color: rgb(142,  
115, 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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