

Converting Colors

$Y_{xy}(25.5330, 0.3195, 0.2774)$

Have a look what the booklet for
Yxy(25.5330, 0.3195, 0.2774)
contains.

Yxy(25.4943, 0.3197, 0.2771)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.4943, 0.3197, 0.2771)

Conversions

Conversions Part 1

Format	Color
Hex	A57EA1
RGB	165, 126, 161
RGB Percent	65%, 49%, 63%
CMY	0.3529, 0.5059, 0.3686
CMYK	0.00, 0.24, 0.02, 0.35
HSL	306°, 18%, 57%
HSV	306°, 24%, 65%
XYZ	29.4137, 25.4943, 37.0960
YIQ	141.6510, 12.0090, 19.1530

Conversions

Conversions Part 2

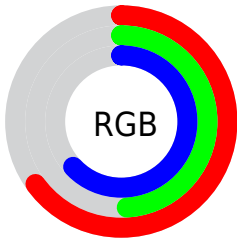
Format	Color
R_{YB}	165, 126, 161
Decimal	10845857
CIE _{Lab}	57.55, 21.16, -12.87
CIE _{LCh}	58, 24.764, 328.690
Y _{xy}	25.4943, 0.3197, 0.2771
Android (android.graphics.Color)	4289035937 (0xFFA57EA1)
YUV	141.6510, 9.5391, 20.4771
Hunter-Lab	50.4919, 15.6231, -8.2156

Details

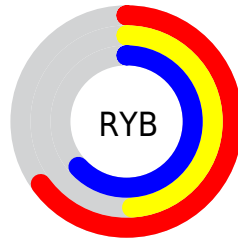
The Yxy color **25.4943, 0.3197, 0.2771** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.9614, 0.3064, 0.3871**, and the grayscale version is **26.8645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4137, 0.3180, 0.2872**, and **9.9226, 0.3227, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **21.5586, 0.3232, 0.2550**, and if you desaturate by 10%, it is **30.1291, 0.3165, 0.2994**.

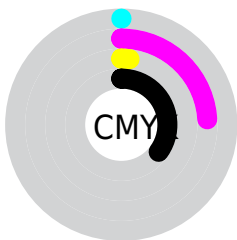
Distribution



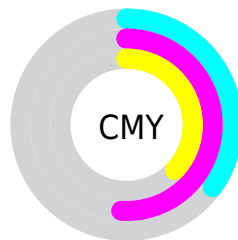
- Red (65%)
- Green (49%)
- Blue (63%)



- Red (65%)
- Yellow (49%)
- Blue (63%)



- Cyan (0%)
- Magenta (24%)
- Yellow (2%)
- Black (35%)




- Cyan (35%)
- Magenta (51%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4943, 0.3197, 0.2771 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 25.4943, 0.3197, 0.2771 by changing the saturation by 10% instead.


 25.4943, 0.3197,
0.2771


 25.4943, 0.3197,
0.2771


280.2907, 0.3163,
0.3046


 16.4457, 0.3205,
0.2697


 52.4580, 0.3185,
0.2875

 9.8401, 0.3214,
0.2599

 71.1419, 0.3181,
0.2912

 5.2931, 0.3226,
0.2463


 93.8063, 0.3177,
0.2944

 2.4202, 0.3238,
0.2262

120.8357, 0.3173,
0.2970

 0.8363, 0.3249,
0.1935

152.6145, 0.3170,
0.2993

 0.0000, 0.2999,
0.0000

189.5270, 0.3168,

 0.0000, 0.0000,

0.3013

0.0000

231.9576, 0.3165,
0.3030

■ 25.4943, 0.3197,
0.2771

■ 25.4943, 0.3197,
0.2771

■ 21.5586, 0.3232,
0.2550

■ 30.1291, 0.3165,
0.2994

■ 18.2846, 0.3269,
0.2337

■ 35.4914, 0.3137,
0.3212

■ 15.6363, 0.3309,
0.2144

■ 41.6122, 0.3112,
0.3422

■ 13.5732, 0.3349,
0.1977

■ 48.5196, 0.3090,
0.3619

■ 12.0499, 0.3388,
0.1846

■ 56.2402, 0.3070,
0.3803

■ 11.0144, 0.3426,
0.1756

■ 64.7996, 0.3054,
0.3973

■ 10.4043, 0.3461,
0.1709

■ 74.2220, 0.3040,
0.4129

■ 10.1423, 0.3483,
0.1692

■ 82.5975, 0.3029,
0.4242

■ 82.6641, 0.3020,
0.4221

Harmonies

Analogous

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



25.4943, 0.2785, 0.2624



25.4943, 0.3197, 0.2771



25.4943, 0.3615, 0.3035

Triad

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



25.4943, 0.3197, 0.2771



25.4943, 0.3787, 0.3963



25.4943, 0.2406, 0.3132

Complementary

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



25.4943, 0.3197, 0.2771



32.9614, 0.3064, 0.3871

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.



25.4943, 0.2642, 0.3547



25.4943, 0.3197, 0.2771



25.4943, 0.3435, 0.4053

Square

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



25.4943, 0.3197, 0.2771



25.4943, 0.3966, 0.3703



25.4943, 0.3015, 0.3902



25.4943, 0.2352, 0.2802

Rectangle

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



25.4943, 0.3197, 0.2771



25.4943, 0.3830, 0.3253



25.4943, 0.3015, 0.3902



25.4943, 0.2466, 0.3267

Sweetspot

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



25.4954, 0.3197, 0.2771



60.0550, 0.3146, 0.3137



22.3759, 0.2774, 0.2648



13.0125, 0.3148, 0.3125



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



25.4954, 0.3197, 0.2771



42.0684, 0.3214, 0.2663



24.8627, 0.3417, 0.3052



7.1896, 0.3152, 0.3091



7.6758, 0.3479, 0.1690



0.1646, 0.3370, 0.1630

Inverse Universe

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



25.4954, 0.3197, 0.2771



42.0684, 0.3214, 0.2663



33.5328, 0.2907, 0.3542



7.1896, 0.3152, 0.3091



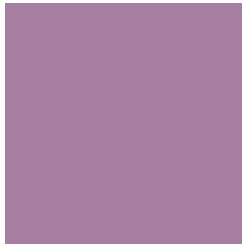
7.6758, 0.3479, 0.1690



0.1646, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 25.4943, 0.3197, 0.2771 looks on a white background.

Color Contrast Check

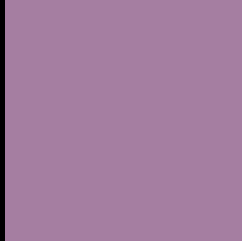
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4943, 0.3197, 0.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

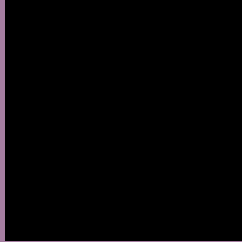
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4943, 0.3197, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 25.4943, 0.3197, 0.2771.



This preview shows how white text looks on a background with the Yxy color 25.4943, 0.3197, 0.2771.

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

25.4943, 0.3197, 0.2771

Protanopia

25.5812, 0.2763, 0.2775

Deuteranopia

25.5819, 0.2963, 0.2906



Tritanopia

25.5401, 0.3391, 0.3136

Trichromacy



Original Color

25.4943, 0.3197, 0.2771

Protanomaly

25.3679, 0.2906, 0.2771

Deuteranomaly

25.5246, 0.3038, 0.2853

Tritanomaly

25.6252, 0.3314, 0.3001

Monochromacy



Original Color

25.4943, 0.3197, 0.2771

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.2623, 0.3148, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4943, 0.3197, 0.2771 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(165, 126, 161)` looks like.

```
.text, #text, p{  
    color:rgb(165, 126, 161)  
}
```

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(165, 126, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 126, 161) }
```

Border

The CSS property to change the border of an element to Yxy 25.4943, 0.3197, 0.2771 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(165, 126, 161) }
```

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

```
.border{ border-color:rgb(165, 126, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 126, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 126, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 126, 161);  
box-shadow:4px 4px 4px 4px rgb(165, 126,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4943, 0.3197, 0.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 126, 161) }
```

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

```
.background{ background-color: rgb(165,  
126, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor