

Converting Colors

$Y_{xy}(25.2124, 0.3104, 0.2594)$

Have a look what the booklet for
Yxy(25.2124, 0.3104, 0.2594)
contains.

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Color

Yxy(25.2132, 0.3104, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	A67BAB
RGB	166, 123, 171
RGB Percent	65%, 48%, 67%
CMY	0.3490, 0.5176, 0.3295
CMYK	0.03, 0.28, 0.00, 0.33
HSL	294°, 22%, 58%
HSV	294°, 28%, 67%
XYZ	30.1587, 25.2132, 41.7888
YIQ	141.3290, 10.2200, 24.0440

Conversions

Conversions Part 2

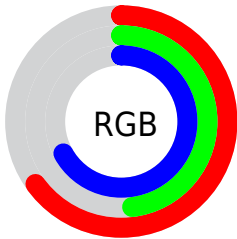
Format	Color
R _{YB}	166, 123, 171
Decimal	10910635
CIE Lab	57.28, 25.16, -18.99
CIE LCh	57, 31.524, 322.947
Yxy	25.2132, 0.3104, 0.2595
Android (android.graphics.Color)	4289100715 (0xFFA67BAB)
YUV	141.3290, 14.6278, 21.6365
Hunter-Lab	50.2127, 19.3380, -14.1943

Details

The Yxy color $25.2132, 0.3104, 0.2595$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $35.1300, 0.3134, 0.4073$, and the grayscale version is $26.7109, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.0713, 0.3120, 0.2736$, and $9.7402, 0.3071, 0.2376$ is the 20% darker color. If you saturate the color by 10%, you get $21.1467, 0.3090, 0.2346$, and if you desaturate by 10%, it is $30.0253, 0.3115, 0.2848$.

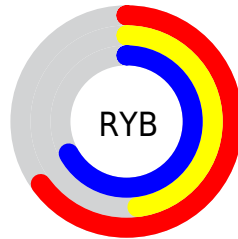
Distribution



Red (65%)

Green (48%)

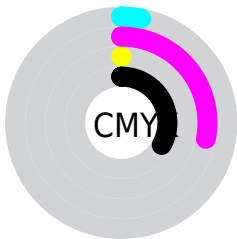
Blue (67%)



Red (65%)

Yellow (48%)

Blue (67%)

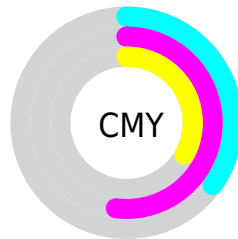


Cyan (3%)

Magenta (28%)

Yellow (0%)

Black (33%)



Cyan (35%)


Magenta (52%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2132, 0.3104, 0.2595 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 25.2132, 0.3104, 0.2595 by changing the saturation by 10% instead.


 25.2132, 0.3104,
0.2595


 25.2132, 0.3104,
0.2595


278.8980, 0.3124,
0.2958


 16.2360, 0.3096,
0.2500


 52.0029, 0.3114,
0.2731

 9.6913, 0.3083,
0.2374


 70.5841, 0.3116,
0.2780

 5.1948, 0.3061,
0.2203


 93.1355, 0.3119,
0.2822

 2.3620, 0.3020,
0.1957

120.0414, 0.3120,
0.2858

 0.8062, 0.2934,
0.1573

151.6862, 0.3122,
0.2888

 0.0000, 0.2470,
0.0000

188.4543, 0.3123,

 0.0000, 0.0000,

0.2914

0.0000

230.7301, 0.3123,
0.2938

■ 25.2132, 0.3104,
0.2595

■ 25.2132, 0.3104,
0.2595

■ 21.1467, 0.3090,
0.2346

■ 30.0253, 0.3115,
0.2848

■ 17.7839, 0.3074,
0.2110

■ 35.6154, 0.3123,
0.3096

■ 15.0840, 0.3054,
0.1897

■ 42.0181, 0.3128,
0.3336

■ 13.0005, 0.3032,
0.1715

■ 49.2648, 0.3132,
0.3562

■ 11.4809, 0.3008,
0.1572

■ 57.3853, 0.3133,
0.3772

■ 10.4638, 0.2983,
0.1472

■ 66.4080, 0.3134,
0.3966

■ 9.8465, 0.2957,
0.1410

■ 76.3598, 0.3133,
0.4143

■ 9.7407, 0.2952,
0.1400

■ 84.1798, 0.3135,
0.4259

■ 84.3934, 0.3146,
0.4256

Harmonies

Analogous

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



25.2132, 0.2605, 0.2445



25.2132, 0.3104, 0.2595



25.2132, 0.3653, 0.2895

Triad

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



25.2132, 0.3104, 0.2595



25.2132, 0.4024, 0.4082



25.2132, 0.2259, 0.3174

Complementary

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



25.2132, 0.3104, 0.2595



35.1300, 0.3134, 0.4073

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.



25.2132, 0.2587, 0.3722



25.2132, 0.3104, 0.2595



25.2132, 0.3604, 0.4271

Square

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



25.2132, 0.3104, 0.2595



25.2132, 0.4207, 0.3715



25.2132, 0.3076, 0.4151



25.2132, 0.2152, 0.2727

Rectangle

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



25.2132, 0.3104, 0.2595



25.2132, 0.3959, 0.3153



25.2132, 0.3076, 0.4151



25.2132, 0.2346, 0.3355

Sweetspot

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



25.2143, 0.3104, 0.2595



63.7183, 0.3122, 0.3094



22.7457, 0.2657, 0.2593



13.8599, 0.3121, 0.3058



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



25.2143, 0.3104, 0.2595



40.2582, 0.3095, 0.2431



25.1074, 0.3365, 0.2855



8.1054, 0.3122, 0.3065



7.3594, 0.2954, 0.1401



0.2165, 0.3037, 0.1446

Inverse Universe

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



24.3788, 0.3663, 0.3216



38.5340, 0.3841, 0.3199



35.2597, 0.2947, 0.3770



8.0283, 0.3271, 0.3267



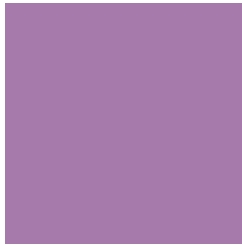
6.5629, 0.6256, 0.3220



0.1868, 0.5734, 0.2933

Previews

White Background



This preview shows how the Yxy color 25.2132, 0.3104, 0.2595 looks on a white background.

Color Contrast Check

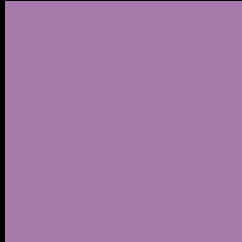
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2132, 0.3104, 0.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

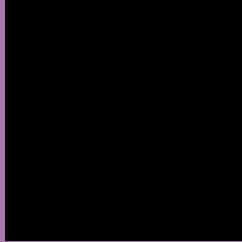
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2132, 0.3104, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 25.2132, 0.3104, 0.2595.



This preview shows how white text looks on a background with the Yxy color 25.2132, 0.3104, 0.2595.

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

25.2132, 0.3104, 0.2595

Protanopia

25.3392, 0.2625, 0.2593

Deuteranopia

25.4268, 0.2809, 0.2749



Tritanopia

25.2460, 0.3405, 0.3136

Trichromacy



Original Color

25.2132, 0.3104, 0.2595

Protanomaly

25.0696, 0.2784, 0.2581

Deuteranomaly

25.3379, 0.2909, 0.2689

Tritanomaly

25.1996, 0.3283, 0.2926

Monochromacy



Original Color

25.2132, 0.3104, 0.2595

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.8012, 0.3118, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2132, 0.3104, 0.2595 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(166, 123, 171)` looks like.

```
.text, #text, p{  
    color:rgb(166, 123, 171)  
}
```

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(166, 123, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 123, 171) }
```

Border

The CSS property to change the border of an element to Yxy 25.2132, 0.3104, 0.2595 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(166, 123, 171) }
```

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

```
.border{ border-color:rgb(166, 123, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 123, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 123, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 123, 171);  
box-shadow:4px 4px 4px 4px rgb(166, 123,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2132, 0.3104, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 123, 171) }
```

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

```
.background{ background-color: rgb(166,  
123, 171) }
```

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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