

Converting Colors

$Y_{xy}(24.7379, 0.3199, 0.2585)$

Have a look what the booklet for
Yxy(24.7379, 0.3199, 0.2585)
contains.

Yxy(24.7915, 0.3206, 0.2591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.7915, 0.3206, 0.2591)

Conversions

Conversions Part 1

Format	Color
Hex	AC77A8
RGB	172, 119, 168
RGB Percent	67%, 47%, 66%
CMY	0.3255, 0.5333, 0.3412
CMYK	0.00, 0.31, 0.02, 0.33
HSL	305°, 24%, 57%
HSV	305°, 31%, 67%
XYZ	30.6760, 24.7915, 40.2156
YIQ	140.4330, 15.8590, 26.4750

Conversions

Conversions Part 2

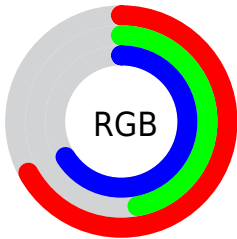
Format	Color
R _Y B	172, 119, 168
Decimal	11302824
CIE Lab	56.87, 28.87, -17.86
CIE LCh	57, 33.944, 328.262
Yxy	24.7915, 0.3206, 0.2591
Android (android.graphics.Color)	4289492904 (0xFFAC77A8)
YUV	140.4330, 13.5905, 27.6843
Hunter-Lab	49.7911, 22.8386, -13.0340

Details

The Yxy color **24.7915, 0.3206, 0.2591** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.8529, 0.3055, 0.4106**, and the grayscale version is **26.3448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3267, 0.3196, 0.2731**, and **9.4391, 0.3223, 0.2360** is the 20% darker color. If you saturate the color by 10%, you get **21.0143, 0.3236, 0.2370**, and if you desaturate by 10%, it is **29.3122, 0.3178, 0.2820**.

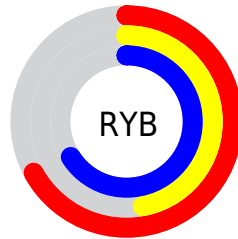
Distribution



Red (67%)

Green (47%)

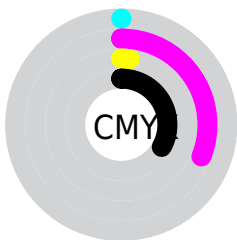
Blue (66%)



Red (67%)

Yellow (47%)

Blue (66%)

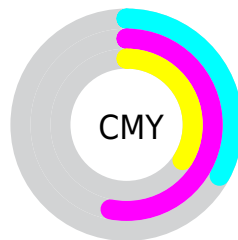


Cyan (0%)

Magenta (31%)

Yellow (2%)

Black (33%)



Cyan (33%)


Magenta (53%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7915, 0.3206, 0.2591 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 24.7915, 0.3206, 0.2591 by changing the saturation by 10% instead.


 24.7915, 0.3206,
0.2591


 24.7915, 0.3206,
0.2591


276.7980, 0.3171,
0.2956

 15.9218, 0.3213,
0.2495


 51.3188, 0.3195,
0.2727

 9.4688, 0.3220,
0.2369


 69.7451, 0.3190,
0.2778

 5.0482, 0.3227,
0.2196


 92.1258, 0.3186,
0.2819

 2.2756, 0.3229,
0.1948

118.8452, 0.3182,
0.2855

 0.7607, 0.3217,
0.1554

150.2877, 0.3179,
0.2886

 0.0000, 0.3012,
0.0000

186.8378, 0.3176,

 0.0000, 0.0000,

0.2912

0.0000

228.8797, 0.3173,
0.2936

■ 24.7915, 0.3206,
0.2591

■ 24.7915, 0.3206,
0.2591

■ 21.0143, 0.3236,
0.2370

■ 29.3122, 0.3178,
0.2820

■ 17.9372, 0.3267,
0.2166

■ 34.6101, 0.3152,
0.3049

■ 15.5177, 0.3298,
0.1987

■ 40.7207, 0.3129,
0.3272

■ 13.7071, 0.3329,
0.1843

■ 47.6765, 0.3108,
0.3486

■ 12.4501, 0.3357,
0.1739

■ 55.5081, 0.3090,
0.3686

■ 11.6810, 0.3384,
0.1678

■ 64.2448, 0.3074,
0.3872

■ 11.2743, 0.3406,
0.1650

■ 73.9142, 0.3060,
0.4044

■ 83.5177, 0.3049,
0.4185

■ 83.5701, 0.3042,
0.4169

Harmonies

Analogous

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



24.7915, 0.2648, 0.2398



24.7915, 0.3206, 0.2591



24.7915, 0.3793, 0.2934

Triad

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



24.7915, 0.3206, 0.2591



24.7915, 0.4027, 0.4196



24.7915, 0.2155, 0.3061

Complementary

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



24.7915, 0.3206, 0.2591



34.8529, 0.3055, 0.4106

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.



24.7915, 0.2465, 0.3654



24.7915, 0.3206, 0.2591



24.7915, 0.3540, 0.4360

Square

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



24.7915, 0.3206, 0.2591



24.7915, 0.4283, 0.3818



24.7915, 0.2967, 0.4168



24.7915, 0.2086, 0.2616

Rectangle

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



24.7915, 0.3206, 0.2591



24.7915, 0.4098, 0.3216



24.7915, 0.2967, 0.4168



24.7915, 0.2233, 0.3251

Sweetspot

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



24.7926, 0.3206, 0.2591



64.5154, 0.3148, 0.3086



20.3514, 0.2628, 0.2415



13.6987, 0.3152, 0.3054



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.



24.7926, 0.3206, 0.2591



40.1411, 0.3226, 0.2438



23.9173, 0.3513, 0.2949



8.1375, 0.3149, 0.3083



8.3949, 0.3404, 0.1649



0.2365, 0.3339, 0.1613

Inverse Universe

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



24.7926, 0.3206, 0.2591



40.1411, 0.3226, 0.2438



35.5939, 0.2858, 0.3661



8.1375, 0.3149, 0.3083



8.3949, 0.3404, 0.1649



0.2365, 0.3339, 0.1613

Previews

White Background



This preview shows how the Yxy color 24.7915, 0.3206, 0.2591 looks on a white background.

Color Contrast Check

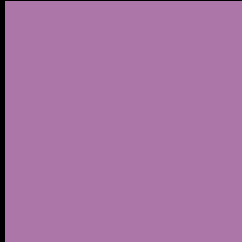
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7915, 0.3206, 0.2591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

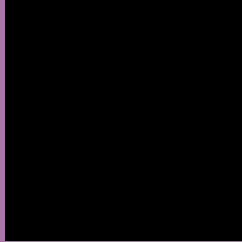
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7915, 0.3206, 0.2591

Background



This preview shows how black text looks on a background with the Yxy color 24.7915, 0.3206, 0.2591.



This preview shows how white text looks on a background with the Yxy color 24.7915, 0.3206, 0.2591.

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

24.7915, 0.3206, 0.2591

Protanopia

24.9832, 0.2614, 0.2575

Deuteranopia

25.0010, 0.2844, 0.2792



Tritanopia

24.7413, 0.3534, 0.3139

Trichromacy



Original Color

24.7915, 0.3206, 0.2591

Protanomaly

24.5859, 0.2801, 0.2565

Deuteranomaly

24.8432, 0.2968, 0.2718

Tritanomaly

24.7075, 0.3407, 0.2932

Monochromacy



Original Color

24.7915, 0.3206, 0.2591

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.3799, 0.3163, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7915, 0.3206, 0.2591 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(172, 119, 168)` looks like.

```
.text, #text, p{  
    color:rgb(172, 119, 168)  
}
```

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(172, 119, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 119, 168) }
```

Border

The CSS property to change the border of an element to Yxy 24.7915, 0.3206, 0.2591 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(172, 119, 168) }
```

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

```
.border{ border-color:rgb(172, 119, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 119, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 119, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 119, 168);  
box-shadow:4px 4px 4px 4px rgb(172, 119,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7915, 0.3206, 0.2591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 119, 168) }
```

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

```
.background{ background-color: rgb(172,  
119, 168) }
```

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