

Converting Colors

$Y_{xy}(24.9227, 0.3617, 0.2775)$

Have a look what the booklet for
Yxy(24.9227, 0.3617, 0.2775)
contains.

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Color

Yxy(24.8634, 0.3620, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	BD7197
RGB	189, 113, 151
RGB Percent	74%, 44%, 59%
CMY	0.2590, 0.5568, 0.4079
CMYK	0.00, 0.40, 0.20, 0.26
HSL	330°, 37%, 59%
HSV	330°, 40%, 74%
XYZ	32.4695, 24.8634, 32.3619
YIQ	140.0560, 33.0980, 27.9300

Conversions

Conversions Part 2

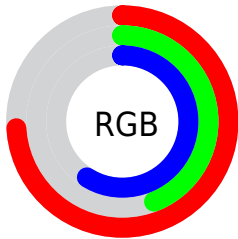
Format	Color
R_{YB}	189, 113, 151
Decimal	12415383
CIE Lab	56.94, 35.12, -7.71
CIE LCh	57, 35.959, 347.621
Yxy	24.8634, 0.3620, 0.2772
Android (android.graphics.Color)	4290605463 (0xFFBD7197)
YUV	140.0560, 5.3954, 42.9239
Hunter-Lab	49.8632, 28.9735, -3.5757

Details

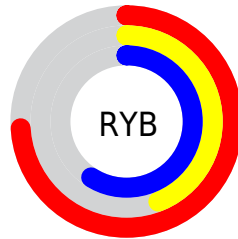
The Yxy color **24.8634, 0.3620, 0.2772** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **42.1256, 0.2819, 0.3882**, and the grayscale version is **26.2186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4544, 0.3524, 0.2877**, and **9.5434, 0.3798, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **20.7821, 0.3803, 0.2648**, and if you desaturate by 10%, it is **29.8495, 0.3463, 0.2904**.

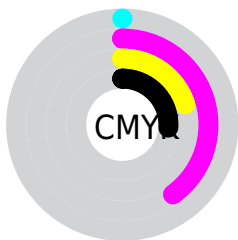
Distribution



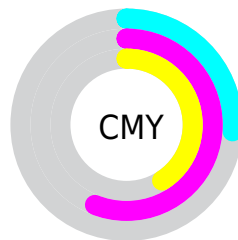
- Red (74%)
- Green (44%)
- Blue (59%)



- Red (74%)
- Yellow (44%)
- Blue (59%)



- Cyan (0%)
- Magenta (40%)
- Yellow (20%)
- Black (26%)





- Cyan (26%)
- Magenta (56%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8634, 0.3620, 0.2772 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 24.8634, 0.3620, 0.2772 by changing the saturation by 10% instead.


 24.8634, 0.3620,
0.2772


 24.8634, 0.3620,
0.2772


277.1570, 0.3353,
0.3048

 15.9753, 0.3694,
0.2697


 51.4355, 0.3518,
0.2876

 9.5067, 0.3794,
0.2598


 69.8884, 0.3481,
0.2914

 5.0731, 0.3937,
0.2459


 92.2982, 0.3451,
0.2946

 2.2902, 0.4155,
0.2252

 119.0495, 0.3425,
0.2972

 0.7685, 0.4535,
0.1904

150.5267, 0.3403,
0.2995

 0.0000, 0.7587,
0.0000

187.1140, 0.3384,

 0.0000, 0.0000,

0.3015

0.0000

229.1960, 0.3368,
0.3032

■ 24.8634, 0.3620,
0.2772

■ 24.8634, 0.3620,
0.2772

■ 20.7821, 0.3803,
0.2648

■ 29.8495, 0.3463,
0.2904

■ 17.5466, 0.4011,
0.2542

■ 35.7875, 0.3331,
0.3036

■ 15.0965, 0.4240,
0.2466

■ 42.7257, 0.3220,
0.3165

■ 13.3615, 0.4483,
0.2431

■ 50.7077, 0.3129,
0.3288

■ 12.2588, 0.4729,
0.2447

■ 59.7748, 0.3053,
0.3402

■ 11.6306, 0.4963,
0.2508

■ 69.9659, 0.2990,
0.3508

■ 81.3181, 0.2938,
0.3606

■ 87.8570, 0.2891,
0.3600

■ 88.3919, 0.2842,
0.3495

Harmonies

Analogous

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



24.8634, 0.2986, 0.2463



24.8634, 0.3620, 0.2772



24.8634, 0.4147, 0.3199

Triad

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



24.8634, 0.3620, 0.2772



24.8634, 0.3760, 0.4397



24.8634, 0.2029, 0.2716

Complementary

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



24.8634, 0.3620, 0.2772



42.1256, 0.2819, 0.3882

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.



24.8634, 0.2191, 0.3258



24.8634, 0.3620, 0.2772



24.8634, 0.3168, 0.4344

Square

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



24.8634, 0.3620, 0.2772



24.8634, 0.4207, 0.4116



24.8634, 0.2595, 0.3896



24.8634, 0.2120, 0.2403

Rectangle

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



24.8634, 0.3620, 0.2772



24.8634, 0.4333, 0.3515



24.8634, 0.2595, 0.3896



24.8634, 0.2055, 0.2874

Sweetspot

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



24.8646, 0.3620, 0.2772



73.9130, 0.3241, 0.3140



22.0679, 0.2762, 0.2189



15.5349, 0.3255, 0.3123



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



24.8646, 0.3620, 0.2772



38.1788, 0.3775, 0.2665



23.8234, 0.4128, 0.3293



9.6138, 0.3212, 0.3176



7.8444, 0.4935, 0.2492



0.3205, 0.4414, 0.2205

Inverse Universe

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



24.8646, 0.3620, 0.2772



38.1788, 0.3775, 0.2665



43.5637, 0.2580, 0.3288



9.6138, 0.3212, 0.3176



7.8444, 0.4935, 0.2492



0.3205, 0.4414, 0.2205

Previews

White Background



This preview shows how the Yxy color 24.8634, 0.3620, 0.2772 looks on a white background.

Color Contrast Check

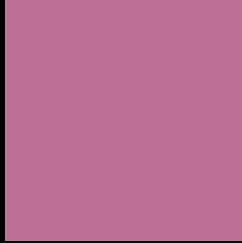
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8634, 0.3620, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

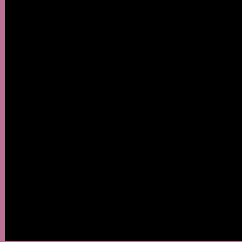
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8634, 0.3620, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 24.8634, 0.3620, 0.2772.



This preview shows how white text looks on a background with the Yxy color 24.8634, 0.3620, 0.2772.

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

24.8634, 0.3620, 0.2772

Protanopia

25.1868, 0.2788, 0.2803

Deuteranopia

24.9926, 0.3127, 0.3063



Tritanopia

24.9023, 0.3893, 0.3179

Trichromacy



Original Color

24.8634, 0.3620, 0.2772

Protanomaly

24.6870, 0.3050, 0.2779

Deuteranomaly

24.7412, 0.3307, 0.2953

Tritanomaly

24.8048, 0.3795, 0.3025

Monochromacy



Original Color

24.8634, 0.3620, 0.2772

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.2480, 0.3299, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8634, 0.3620, 0.2772 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(189, 113, 151)` looks like.

```
.text, #text, p{  
    color:rgb(189, 113, 151)  
}
```

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(189, 113, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 113, 151) }
```

Border

The CSS property to change the border of an element to Yxy 24.8634, 0.3620, 0.2772 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(189, 113, 151) }
```

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

```
.border{ border-color:rgb(189, 113, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 113, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 113, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 113, 151);  
box-shadow:4px 4px 4px 4px rgb(189, 113,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8634, 0.3620, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 113, 151) }
```

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

```
.background{ background-color: rgb(189,  
113, 151) }
```

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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