

Converting Colors

$Y_{xy}(24.3301, 0.3271, 0.2320)$

Have a look what the booklet for
Yxy(24.3301, 0.3271, 0.2320)
contains.

Yxy(24.4222, 0.3278, 0.2329)	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(24.4222, 0.3278, 0.2329)

Conversions

Conversions Part 1

Format	Color
Hex	BD6AB4
RGB	189, 106, 180
RGB Percent	74%, 42%, 71%
CMY	0.2589, 0.5842, 0.2942
CMYK	0.00, 0.44, 0.05, 0.26
HSL	307°, 39%, 58%
HSV	307°, 44%, 74%
XYZ	34.3735, 24.4222, 46.0656
YIQ	139.2530, 25.7140, 40.6100

Conversions

Conversions Part 2

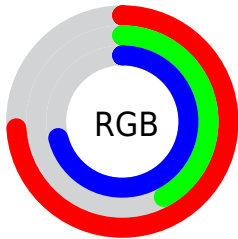
Format	Color
R _{YB}	189, 106, 180
Decimal	12413620
CIE Lab	56.51, 43.70, -25.13
CIE LCh	57, 50.406, 330.099
Yxy	24.4222, 0.3278, 0.2329
Android (android.graphics.Color)	4290603700 (0xFFBD6AB4)
YUV	139.2530, 20.0883, 43.6281
Hunter-Lab	49.4188, 37.6737, -20.6738

Details

The Yxy color **24.4222, 0.3278, 0.2329** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.6940, 0.3007, 0.4493**, and the grayscale version is **25.8362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6266, 0.3259, 0.2504**, and **9.3330, 0.3307, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **20.8641, 0.3320, 0.2136**, and if you desaturate by 10%, it is **28.8421, 0.3238, 0.2541**.

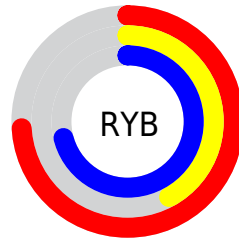
Distribution



Red (74%)

Green (42%)

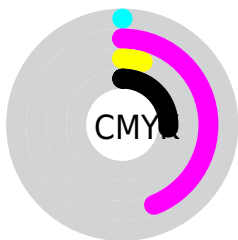
Blue (71%)



Red (74%)

Yellow (42%)

Blue (71%)

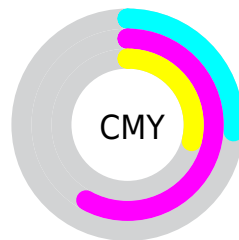


Cyan (0%)

Magenta (44%)

Yellow (5%)

Black (26%)



Cyan (26%)


Magenta (58%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4222, 0.3278, 0.2329 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 24.4222, 0.3278, 0.2329 by changing the saturation by 10% instead.


 24.4222, 0.3278,
0.2329


 24.4222, 0.3278,
0.2329


274.9481, 0.3212,
0.2818


 15.6471, 0.3291,
0.2206


 50.7183, 0.3256,
0.2508


 9.2748, 0.3305,
0.2047


 69.0081, 0.3248,
0.2575

 4.9208, 0.3318,
0.1837


 91.2382, 0.3240,
0.2631

 2.2009, 0.3325,
0.1549

 117.7931, 0.3233,
0.2680

 0.7205, 0.3312,
0.1126

149.0572, 0.3227,
0.2721

 0.0000, 0.3354,
0.0000

185.4147, 0.3221,

 0.0000, 0.0000,

0.2758

0.0000

227.2503, 0.3216,
0.2790

■ 24.4222, 0.3278,
0.2329

■ 24.4222, 0.3278,
0.2329

■ 20.8641, 0.3320,
0.2136

■ 28.8421, 0.3238,
0.2541

■ 18.1074, 0.3362,
0.1971

■ 34.1722, 0.3201,
0.2763

■ 16.0894, 0.3404,
0.1843


■ 40.4615, 0.3168,
0.2987


■ 14.7365, 0.3445,
0.1758

■ 47.7542, 0.3138,
0.3207

■ 13.9597, 0.3482,
0.1715

■ 56.0921, 0.3111,
0.3417

 13.6610, 0.3504,
0.1704

 65.5143, 0.3088,
0.3615

 76.0581, 0.3069,
0.3800

 86.3412, 0.3052,
0.3948

 86.4356, 0.3041,
0.3924

Harmonies

Analogous

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



24.4222, 0.2463, 0.2052



24.4222, 0.3278, 0.2329



24.4222, 0.4164, 0.2797

Triad

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



24.4222, 0.3278, 0.2329



24.4222, 0.4354, 0.4585



24.4222, 0.1731, 0.2859

Complementary

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



24.4222, 0.3278, 0.2329



40.6940, 0.3007, 0.4493

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.



24.4222, 0.2115, 0.3771



24.4222, 0.3278, 0.2329



24.4222, 0.3620, 0.4905

Square

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



24.4222, 0.3278, 0.2329



24.4222, 0.4798, 0.4003



24.4222, 0.2800, 0.4629



24.4222, 0.1674, 0.2265

Rectangle

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



24.4222, 0.3278, 0.2329



24.4222, 0.4611, 0.3178



24.4222, 0.2800, 0.4629



24.4222, 0.1822, 0.3137

Sweetspot

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



24.4233, 0.3278, 0.2329



73.3242, 0.3166, 0.3003



17.5842, 0.2387, 0.1969



15.1934, 0.3173, 0.2953



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.



24.4233, 0.3278, 0.2329



37.4032, 0.3319, 0.2137



22.9994, 0.3798, 0.2835



9.6779, 0.3154, 0.3088



9.1998, 0.3500, 0.1702



0.3655, 0.3421, 0.1658

Inverse Universe

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



24.4233, 0.3278, 0.2329



37.4032, 0.3319, 0.2137



41.8488, 0.2743, 0.3810



9.6779, 0.3154, 0.3088



9.1998, 0.3500, 0.1702



0.3655, 0.3421, 0.1658

Previews

White Background



This preview shows how the Yxy color 24.4222, 0.3278, 0.2329 looks on a white background.

Color Contrast Check

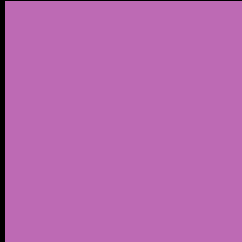
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4222, 0.3278, 0.2329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

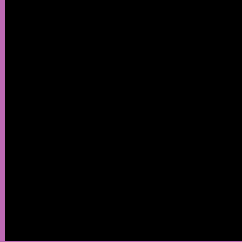
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4222, 0.3278, 0.2329

Background



This preview shows how black text looks on a background with the Yxy color 24.4222, 0.3278, 0.2329.



This preview shows how white text looks on a background with the Yxy color 24.4222, 0.3278, 0.2329.

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

24.4222, 0.3278, 0.2329

Protanopia

24.8252, 0.2361, 0.2254

Deuteranopia

24.7345, 0.2680, 0.2634



Tritanopia

24.5565, 0.3843, 0.3163

Trichromacy



Original Color

24.4222, 0.3278, 0.2329

Protanomaly

23.9731, 0.2632, 0.2260

Deuteranomaly

24.0737, 0.2870, 0.2493

Tritanomaly

24.4242, 0.3634, 0.2843

Monochromacy



Original Color

24.4222, 0.3278, 0.2329

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.6799, 0.3181, 0.2873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4222, 0.3278, 0.2329 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, 106, 180)` looks like.

```
.text, #text, p{  
    color:rgb(189, 106, 180)  
}
```

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, 106, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 106, 180) }
```

Border

The CSS property to change the border of an element to Yxy 24.4222, 0.3278, 0.2329 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, 106, 180) }
```

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

```
.border{ border-color:rgb(189, 106, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 106, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 106, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 106, 180);  
box-shadow:4px 4px 4px 4px rgb(189, 106,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4222, 0.3278, 0.2329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 106, 180) }
```

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

```
.background{ background-color: rgb(189,  
106, 180) }
```

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