

Converting Colors

$Y_{xy}(24.3499, 0.3852, 0.2233)$

Have a look what the booklet for
Yxy(24.3499, 0.3852, 0.2233)
contains.

Yxy(24.3151, 0.3860, 0.2234)	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(24.3151, 0.3860, 0.2234)

Conversions

Conversions Part 1

Format	Color
Hex	E449AE
RGB	228, 73, 174
RGB Percent	89%, 29%, 68%
CMY	0.1059, 0.7136, 0.3177
CMYK	0.00, 0.68, 0.24, 0.11
HSL	321°, 74%, 59%
HSV	321°, 68%, 89%
XYZ	42.0127, 24.3151, 42.5133
YIQ	130.8590, 59.9590, 64.2710

Conversions

Conversions Part 2

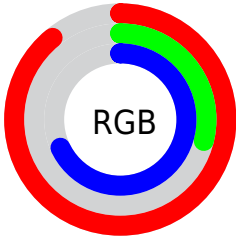
Format	Color
R _Y B	228, 73, 174
Decimal	14961070
CIE Lab	56.40, 68.80, -21.35
CIE LCh	56, 72.035, 342.761
Yxy	24.3151, 0.3860, 0.2234
Android (android.graphics.Color)	4293151150 (0xFFE449AE)
YUV	130.8590, 21.2685, 85.1927
Hunter-Lab	49.3103, 65.7898, -16.6001

Details

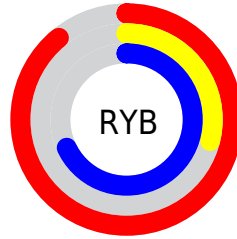
The Yxy color **24.3151, 0.3860, 0.2234** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **58.4304, 0.2806, 0.4777**, and the grayscale version is **22.5552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4757, 0.3408, 0.2323**, and **9.8155, 0.4079, 0.2021** is the 20% darker color. If you saturate the color by 10%, you get **21.5475, 0.4014, 0.2161**, and if you desaturate by 10%, it is **28.2011, 0.3713, 0.2348**.

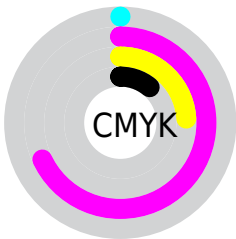
Distribution



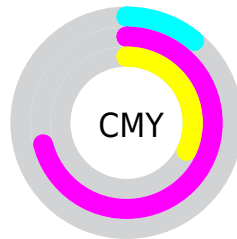
- Red (89%)
- Green (29%)
- Blue (68%)



- Red (89%)
- Yellow (29%)
- Blue (68%)



- Cyan (0%)
- Magenta (68%)
- Yellow (24%)
- Black (11%)





- Cyan (11%)
- Magenta (71%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3151, 0.3860, 0.2234 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 24.3151, 0.3860, 0.2234 by changing the saturation by 10% instead.


 24.3151, 0.3860,
0.2234


 24.3151, 0.3860,
0.2234

274.4097, 0.3482,
0.2765


 15.5675, 0.3957,
0.2102


 50.5439, 0.3720,
0.2427


 9.2186, 0.4084,
0.1935


 68.7939, 0.3668,
0.2499


 4.8841, 0.4254,
0.1716


 90.9802, 0.3625,
0.2561

 2.1794, 0.4492,
0.1421

 117.4872, 0.3588,
0.2613

 0.7087, 0.4854,
0.1001

 148.6992, 0.3556,
0.2659

 0.0000, 0.5668,
0.0000

185.0007, 0.3528,


 0.0000, 1.0000,


0.2699


0.0000


226.7761, 0.3503,
0.2734


 0.0000, 0.0000,
0.0000


 24.3151, 0.3860,
0.2234


 24.3151, 0.3860,
0.2234

 21.5475, 0.4014,
0.2161

 28.2011, 0.3713,
0.2348


 19.7674, 0.4169,
0.2137


 33.3096, 0.3577,
0.2492


 18.7991, 0.4321,
0.2163

 39.7369, 0.3456,
0.2654


 18.6466, 0.4352,
0.2171


 47.5687, 0.3350,
0.2824

 56.8835, 0.3258,
0.2996

 67.7537, 0.3180,
0.3163

 80.2471, 0.3115,
0.3322

 94.1583, 0.3060,
0.3467

 94.6346, 0.3016,
0.3385

Harmonies

Analogous

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



24.3151, 0.2621, 0.1782



24.3151, 0.3860, 0.2234



24.3151, 0.5035, 0.2881

Triad

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



24.3151, 0.3860, 0.2234



24.3151, 0.4268, 0.5254



24.3151, 0.1215, 0.2232

Complementary

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



24.3151, 0.3860, 0.2234



58.4304, 0.2806, 0.4777

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.



24.3151, 0.1473, 0.3330



24.3151, 0.3860, 0.2234



24.3151, 0.3205, 0.5623

Square

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



24.3151, 0.3860, 0.2234



24.3151, 0.5134, 0.4429



24.3151, 0.2175, 0.4830



24.3151, 0.1318, 0.1715

Rectangle

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



24.3151, 0.3860, 0.2234



24.3151, 0.5444, 0.3364



24.3151, 0.2175, 0.4830



24.3151, 0.1257, 0.2527

Sweetspot

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



24.3163, 0.3860, 0.2234



70.5733, 0.3277, 0.2959



14.7062, 0.2167, 0.1285



14.3619, 0.3302, 0.2910



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



24.3163, 0.3860, 0.2234



26.5887, 0.4085, 0.2144



22.1592, 0.5024, 0.3040



14.5254, 0.3191, 0.3138



10.7919, 0.4330, 0.2159



0.8149, 0.4124, 0.2045

Inverse Universe

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



24.3163, 0.3860, 0.2234



26.5887, 0.4085, 0.2144



61.1690, 0.2451, 0.3642



14.5254, 0.3191, 0.3138



10.7919, 0.4330, 0.2159



0.8149, 0.4124, 0.2045

Previews

White Background



This preview shows how the Yxy color 24.3151, 0.3860, 0.2234 looks on a white background.

Color Contrast Check

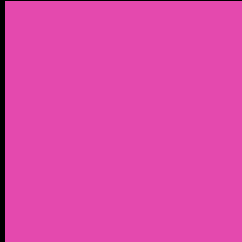
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3151, 0.3860, 0.2234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

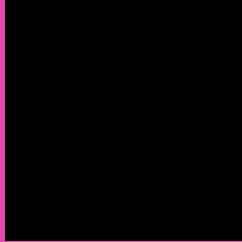
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3151, 0.3860, 0.2234

Background



This preview shows how black text looks on a background with the Yxy color 24.3151, 0.3860, 0.2234.



This preview shows how white text looks on a background with the Yxy color 24.3151, 0.3860, 0.2234.

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

24.3151, 0.3860, 0.2234

Protanopia

24.7671, 0.2184, 0.2020

Deuteranopia

24.5600, 0.2823, 0.2772



Tritanopia

24.2591, 0.4831, 0.3229

Trichromacy



Original Color

24.3151, 0.3860, 0.2234



Protanomaly

21.9766, 0.2610, 0.2000



Deuteranomaly

22.5209, 0.3166, 0.2467



Tritanomaly

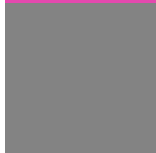
24.0092, 0.4492, 0.2851

Monochromacy



Original Color

24.3151, 0.3860, 0.2234



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.3654, 0.3395, 0.2730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3151, 0.3860, 0.2234 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(228, 73, 174)` looks like.

```
.text, #text, p{  
    color:rgb(228, 73, 174)  
}
```

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(228, 73, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 73, 174) }
```

Border

The CSS property to change the border of an element to Yxy 24.3151, 0.3860, 0.2234 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(228, 73, 174) }
```

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

```
.border{ border-color:rgb(228, 73, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 73, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 73, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 73, 174);  
box-shadow:4px 4px 4px 4px rgb(228, 73,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3151, 0.3860, 0.2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 73, 174) }
```

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

```
.background{ background-color: rgb(228, 73,  
174) }
```

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