

Converting Colors

$Y_{xy}(24.7019, 0.4052, 0.2367)$

Have a look what the booklet for
Yxy(24.7019, 0.4052, 0.2367)
contains.

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Color

Yxy(24.6977, 0.4062, 0.2370)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E84AA3 |
| RGB | 232, 74, 163 |
| RGB Percent | 91%, 29%, 64% |
| CMY | 0.0903, 0.7096, 0.3608 |
| CMYK | 0.00, 0.68, 0.30, 0.09 |
| HSL | 326°, 77%, 60% |
| HSV | 326°, 68%, 91% |
| XYZ | 42.3300, 24.6977, 37.1820 |
| YIQ | 131.3880, 65.5990, 61.1750 |

Conversions

Conversions Part 2

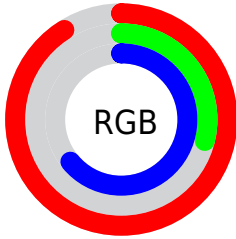
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 232, 74, 163 |
| Decimal | 15223459 |
| CIE _{Lab} | 56.78, 68.13, -14.31 |
| CIE _{LCh} | 57, 69.614, 348.136 |
| Yxy | 24.6977, 0.4062, 0.2370 |
| Android (android.graphics.Color) | 4293413539 (0xFFE84AA3) |
| YUV | 131.3880, 15.5847, 88.2367 |
| Hunter-Lab | 49.6968, 65.0707, -9.5717 |

Details

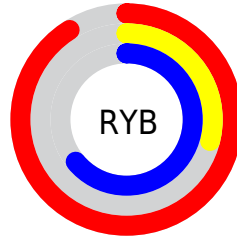
The Yxy color **24.6977, 0.4062, 0.2370** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **61.1373, 0.2741, 0.4575**, and the grayscale version is **22.7756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0970, 0.3524, 0.2438**, and **9.9184, 0.4350, 0.2170** is the 20% darker color. If you saturate the color by 10%, you get **21.8007, 0.4268, 0.2316**, and if you desaturate by 10%, it is **28.7678, 0.3868, 0.2466**.

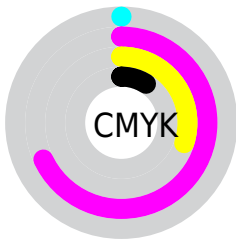
Distribution



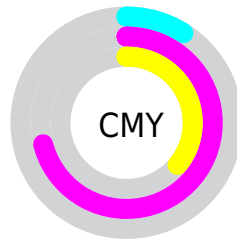
- Red (91%)
- Green (29%)
- Blue (64%)



- Red (91%)
- Yellow (29%)
- Blue (64%)



- Cyan (0%)
- Magenta (68%)
- Yellow (30%)
- Black (9%)




- Cyan (9%)
- Magenta (71%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6977, 0.4062, 0.2370 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 24.6977, 0.4062, 0.2370 by changing the saturation by 10% instead.


 24.6977, 0.4062,
0.2370


 24.6977, 0.4062,
0.2370


276.3291, 0.3566,
0.2842

 15.8520, 0.4194,
0.2250


 51.1664, 0.3875,
0.2543


 9.4195, 0.4369,
0.2095


 69.5581, 0.3807,
0.2608

 5.0158, 0.4611,
0.1889


 91.9007, 0.3750,
0.2662

 2.2565, 0.4961,
0.1603

 118.5784, 0.3702,
0.2709

 0.7506, 0.5515,
0.1183

 149.9757, 0.3661,
0.2749

 0.0000, 0.6990,
0.0000

186.4770, 0.3625,

 0.0000, 1.0000,

0.2784

0.0000

228.4667, 0.3594,
0.2814

■ 0.0000, 0.0000,
0.0000

■ 24.6977, 0.4062,
0.2370

■ 24.6977, 0.4062,
0.2370

■ 21.8007, 0.4268,
0.2316

■ 28.7678, 0.3868,
0.2466

■ 19.9398, 0.4477,
0.2312

■ 34.1204, 0.3691,
0.2591


■ 18.9296, 0.4680,
0.2361


■ 40.8564, 0.3536,
0.2733


■ 18.7796, 0.4719,
0.2373


■ 49.0656, 0.3402,
0.2883

■ 58.8303, 0.3288,
0.3033

 70.2263, 0.3192,
0.3178

 83.3248, 0.3113,
0.3316

 95.2051, 0.3048,
0.3399

 95.8379, 0.2992,
0.3298

Harmonies

Analogous

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



24.6977, 0.2835, 0.1885



24.6977, 0.4062, 0.2370



24.6977, 0.5107, 0.3027

Triad

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



24.6977, 0.4062, 0.2370



24.6977, 0.4075, 0.5314



24.6977, 0.1261, 0.2146

Complementary

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



24.6977, 0.4062, 0.2370



61.1373, 0.2741, 0.4575

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.



24.6977, 0.1449, 0.3103



24.6977, 0.4062, 0.2370



24.6977, 0.3030, 0.5480

Square

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



24.6977, 0.4062, 0.2370



24.6977, 0.4960, 0.4565



24.6977, 0.2060, 0.4518



24.6977, 0.1418, 0.1717

Rectangle

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



24.6977, 0.4062, 0.2370



24.6977, 0.5405, 0.3509



24.6977, 0.2060, 0.4518



24.6977, 0.1282, 0.2398

Sweetspot

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



24.6990, 0.4062, 0.2370



70.3131, 0.3309, 0.3002



16.5224, 0.2301, 0.1346



14.2994, 0.3341, 0.2960



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.



24.6990, 0.4062, 0.2370



25.8745, 0.4359, 0.2307



22.7042, 0.5262, 0.3199



14.5033, 0.3205, 0.3158



10.4547, 0.4688, 0.2356



0.7912, 0.4413, 0.2205

Inverse Universe

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



24.6990, 0.4062, 0.2370



25.8745, 0.4359, 0.2307



64.3973, 0.2383, 0.3426



14.5033, 0.3205, 0.3158



10.4547, 0.4688, 0.2356



0.7912, 0.4413, 0.2205

Previews

White Background



This preview shows how the Yxy color 24.6977, 0.4062, 0.2370 looks on a white background.

Color Contrast Check

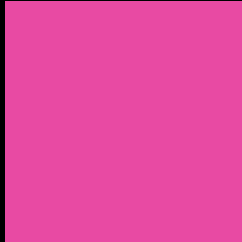
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6977, 0.4062, 0.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

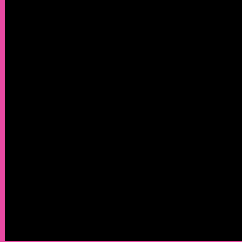
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6977, 0.4062, 0.2370

Background



This preview shows how black text looks on a background with the Yxy color 24.6977, 0.4062, 0.2370.



This preview shows how white text looks on a background with the Yxy color 24.6977, 0.4062, 0.2370.

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

24.6977, 0.4062, 0.2370

Protanopia

24.9512, 0.2329, 0.2206

Deuteranopia

24.8043, 0.2991, 0.2933



Tritanopia

24.6761, 0.4922, 0.3232

Trichromacy



Original Color

24.6977, 0.4062, 0.2370



Protanomaly

22.3740, 0.2804, 0.2179



Deuteranomaly

23.0556, 0.3354, 0.2628



Tritanomaly

24.5355, 0.4627, 0.2910

Monochromacy



Original Color

24.6977, 0.4062, 0.2370



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.4599, 0.3471, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6977, 0.4062, 0.2370 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(232, 74, 163)` looks like.

```
.text, #text, p{  
    color:rgb(232, 74, 163)  
}
```

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(232, 74, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 74, 163) }
```

Border

The CSS property to change the border of an element to Yxy 24.6977, 0.4062, 0.2370 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(232, 74, 163) }
```

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

```
.border{ border-color:rgb(232, 74, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 74, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 74, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 74, 163);  
box-shadow:4px 4px 4px 4px rgb(232, 74,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6977, 0.4062, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 74, 163) }
```

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

```
.background{ background-color: rgb(232, 74,  
163) }
```

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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