

Converting Colors

$Y_{xy}(24.4643, 0.4008, 0.2418)$

Have a look what the booklet for
Yxy(24.4643, 0.4008, 0.2418)
contains.

Yxy(24.4793, 0.4009, 0.2413)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.4793, 0.4009, 0.2413)

Conversions

Conversions Part 1

Format	Color
Hex	E250A1
RGB	226, 80, 161
RGB Percent	89%, 31%, 63%
CMY	0.1136, 0.6863, 0.3686
CMYK	0.00, 0.65, 0.29, 0.11
HSL	327°, 72%, 60%
HSV	327°, 65%, 89%
XYZ	40.6703, 24.4793, 36.2979
YIQ	132.8880, 61.0150, 56.1430

Conversions

Conversions Part 2

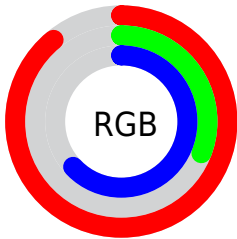
Format	Color
R _{YB}	226, 80, 161
Decimal	14831777
CIE Lab	56.56, 64.00, -13.57
CIE LCh	57, 65.420, 348.032
Yxy	24.4793, 0.4009, 0.2413
Android (android.graphics.Color)	4293021857 (0xFFE250A1)
YUV	132.8880, 13.8592, 81.6592
Hunter-Lab	49.4766, 60.1452, -8.8639

Details

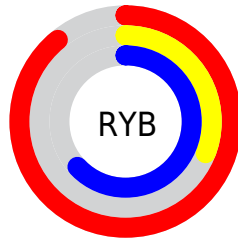
The Yxy color **24.4793, 0.4009, 0.2413** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **58.1538, 0.2742, 0.4476**, and the grayscale version is **23.3434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1092, 0.3538, 0.2494**, and **9.3413, 0.4317, 0.2156** is the 20% darker color. If you saturate the color by 10%, you get **21.3687, 0.4216, 0.2344**, and if you desaturate by 10%, it is **28.7336, 0.3816, 0.2519**.

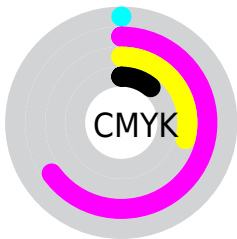
Distribution



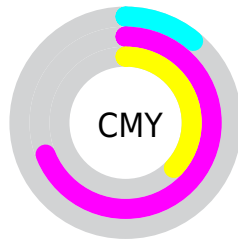
- Red (89%)
- Green (31%)
- Blue (63%)



- Red (89%)
- Yellow (31%)
- Blue (63%)



- Cyan (0%)
- Magenta (65%)
- Yellow (29%)
- Black (11%)



- Cyan (11%)
- Magenta (69%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4793, 0.4009, 0.2413 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 24.4793, 0.4009, 0.2413 by changing the saturation by 10% instead.


 24.4793, 0.4009,
0.2413


 24.4793, 0.4009,
0.2413


275.2348, 0.3540,
0.2865


 15.6895, 0.4135,
0.2297


 50.8112, 0.3832,
0.2580

 9.3047, 0.4303,
0.2146


 69.1222, 0.3767,
0.2642

 4.9405, 0.4535,
0.1944


 91.3757, 0.3713,
0.2694

 2.2124, 0.4875,
0.1662

 117.9561, 0.3668,
0.2738

 0.7267, 0.5421,
0.1236

149.2478, 0.3629,
0.2777

 0.0000, 0.7013,
0.0000

185.6352, 0.3595,

 0.0000, 1.0000,

0.2810

0.0000

227.5028, 0.3566,
0.2839

0.0000, 0.0000,
0.0000

24.4793, 0.4009,
0.2413

24.4793, 0.4009,
0.2413

21.3687, 0.4216,
0.2344

28.7336, 0.3816,
0.2519

19.2806, 0.4431,
0.2324

34.2290, 0.3644,
0.2649


18.0729, 0.4641,
0.2357

41.0568, 0.3493,
0.2792


17.6626, 0.4753,
0.2392


49.2988, 0.3364,
0.2941

59.0297, 0.3255,
0.3087

 70.3194, 0.3164,
0.3228

 83.2330, 0.3088,
0.3360

 94.0735, 0.3026,
0.3426

 94.6934, 0.2971,
0.3324

Harmonies

Analogous

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



24.4793, 0.2851, 0.1944



24.4793, 0.4009, 0.2413



24.4793, 0.4995, 0.3050

Triad

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



24.4793, 0.4009, 0.2413



24.4793, 0.4058, 0.5219



24.4793, 0.1338, 0.2212

Complementary

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



24.4793, 0.4009, 0.2413



58.1538, 0.2742, 0.4476

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.



24.4793, 0.1529, 0.3128



24.4793, 0.4009, 0.2413



24.4793, 0.3058, 0.5342

Square

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



24.4793, 0.4009, 0.2413



24.4793, 0.4893, 0.4532



24.4793, 0.2126, 0.4445



24.4793, 0.1488, 0.1788

Rectangle

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



24.4793, 0.4009, 0.2413



24.4793, 0.5286, 0.3520



24.4793, 0.2126, 0.4445



24.4793, 0.1361, 0.2457

Sweetspot

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



24.4806, 0.4009, 0.2413



71.5755, 0.3302, 0.3021



17.0910, 0.2353, 0.1438



14.5437, 0.3333, 0.2979



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.



24.4806, 0.4009, 0.2413



26.8673, 0.4300, 0.2330



22.6409, 0.5095, 0.3198



13.8272, 0.3206, 0.3161



10.0987, 0.4722, 0.2375



0.7179, 0.4425, 0.2211

Inverse Universe

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



24.4806, 0.4009, 0.2413



26.8673, 0.4300, 0.2330



61.0817, 0.2403, 0.3418



13.8272, 0.3206, 0.3161



10.0987, 0.4722, 0.2375



0.7179, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 24.4793, 0.4009, 0.2413 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 24.4793, 0.4009, 0.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

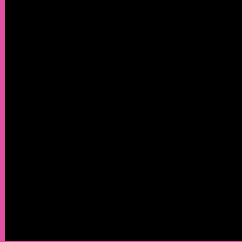
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4793, 0.4009, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 24.4793, 0.4009, 0.2413.

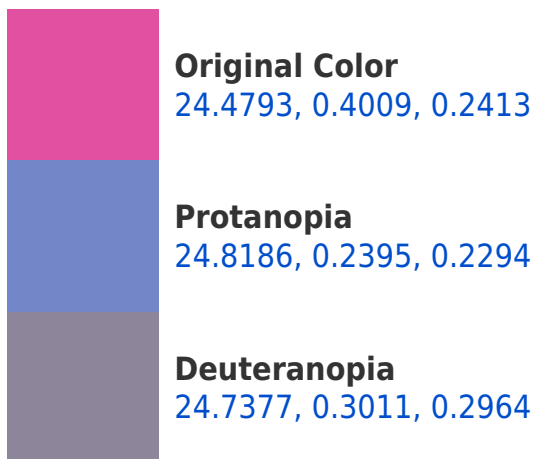


This preview shows how white text looks on a background with the Yxy color 24.4793, 0.4009, 0.2413.

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





Tritanopia

24.4962, 0.4778, 0.3228

Trichromacy



Original Color

24.4793, 0.4009, 0.2413



Protanomaly

22.5060, 0.2842, 0.2261



Deuteranomaly

23.2056, 0.3351, 0.2678



Tritanomaly

24.4304, 0.4507, 0.2924

Monochromacy



Original Color

24.4793, 0.4009, 0.2413



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.2333, 0.3450, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4793, 0.4009, 0.2413 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(226, 80, 161)` looks like.

```
.text, #text, p{  
    color:rgb(226, 80, 161)  
}
```

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(226, 80, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 80, 161) }
```

Border

The CSS property to change the border of an element to Yxy 24.4793, 0.4009, 0.2413 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(226, 80, 161) }
```

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

```
.border{ border-color:rgb(226, 80, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 80, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 80, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 80, 161);  
box-shadow:4px 4px 4px 4px rgb(226, 80,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4793, 0.4009, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 80, 161) }
```

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

```
.background{ background-color: rgb(226, 80,  
161) }
```

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