

Converting Colors

$Y_{xy}(24.4364, 0.4244, 0.2369)$

Have a look what the booklet for
Yxy(24.4364, 0.4244, 0.2369)
contains.

Yxy(24.4391, 0.4254, 0.2372)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.4391, 0.4254, 0.2372)

Conversions

Conversions Part 1

Format	Color
Hex	F03E9E
RGB	240, 62, 158
RGB Percent	94%, 24%, 62%
CMY	0.0588, 0.7568, 0.3803
CMYK	0.00, 0.74, 0.34, 0.06
HSL	328°, 86%, 59%
HSV	328°, 74%, 94%
XYZ	43.8297, 24.4391, 34.7629
YIQ	126.1660, 75.2720, 67.5920

Conversions

Conversions Part 2

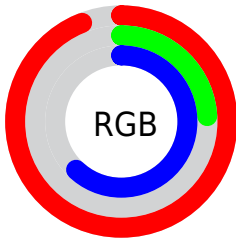
Format	Color
R _Y B	240, 62, 158
Decimal	15744670
CIE Lab	56.52, 73.68, -11.65
CIE LCh	57, 74.598, 351.015
Yxy	24.4391, 0.4254, 0.2372
Android (android.graphics.Color)	4293934750 (0xFFFF03E9E)
YUV	126.1660, 15.6942, 99.8324
Hunter-Lab	49.4359, 71.7444, -7.0870

Details

The Yxy color **24.4391, 0.4254, 0.2372** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **65.3559, 0.2717, 0.4651**, and the grayscale version is **20.8522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4794, 0.3588, 0.2402**, and **10.6452, 0.4546, 0.2278** is the 20% darker color. If you saturate the color by 10%, you get **22.0171, 0.4478, 0.2354**, and if you desaturate by 10%, it is **28.0493, 0.4037, 0.2439**.

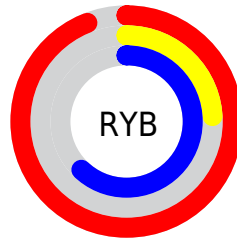
Distribution



Red (94%)

Green (24%)

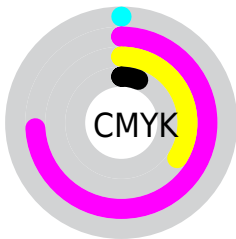
Blue (62%)



Red (94%)

Yellow (24%)

Blue (62%)

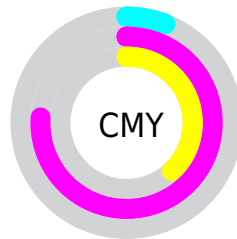


Cyan (0%)

Magenta (74%)

Yellow (34%)

Black (6%)



Cyan (6%)

Magenta (76%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4391, 0.4254, 0.2372 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 24.4391, 0.4254, 0.2372 by changing the saturation by 10% instead.


 24.4391, 0.4254,
0.2372


 24.4391, 0.4254,
0.2372


275.0330, 0.3652,
0.2846


 15.6597, 0.4416,
0.2250


 50.7458, 0.4026,
0.2547


 9.2836, 0.4631,
0.2093


 69.0419, 0.3943,
0.2612


 4.9267, 0.4929,
0.1882


 91.2789, 0.3874,
0.2667

 2.2043, 0.5363,
0.1589

 117.8414, 0.3816,
0.2713

 0.7223, 0.6049,
0.1154

 149.1136, 0.3766,
0.2753

 0.0000, 0.8000,
0.0000

185.4800, 0.3723,


 0.0000, 1.0000,


0.2788


0.0000


227.3250, 0.3685,
0.2819


 0.0000, 0.0000,
0.0000


 24.4391, 0.4254,
0.2372


 24.4391, 0.4254,
0.2372

 22.0171, 0.4478,
0.2354


 28.0493, 0.4037,
0.2439

 20.6141, 0.4699,
0.2390

 32.9793, 0.3836,
0.2542

 20.1218, 0.4825,
0.2431


 39.3473, 0.3656,
0.2670

 47.2573, 0.3500,
0.2810

 56.8034, 0.3367,
0.2955

 68.0723, 0.3255,
0.3098

 81.1446, 0.3161,
0.3235

 96.0955, 0.3084,
0.3364

 97.2646, 0.3035,
0.3290

Harmonies

Analogous

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



24.4391, 0.2924, 0.1846



24.4391, 0.4254, 0.2372



24.4391, 0.5320, 0.3061

Triad

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



24.4391, 0.4254, 0.2372



24.4391, 0.3990, 0.5490



24.4391, 0.1167, 0.2001

Complementary

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



24.4391, 0.4254, 0.2372



65.3559, 0.2717, 0.4651

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.



24.4391, 0.1315, 0.2946



24.4391, 0.4254, 0.2372



24.4391, 0.2887, 0.5621

Square

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



24.4391, 0.4254, 0.2372



24.4391, 0.4966, 0.4681



24.4391, 0.1898, 0.4472



24.4391, 0.1364, 0.1608

Rectangle

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



24.4391, 0.4254, 0.2372



24.4391, 0.5564, 0.3562



24.4391, 0.1898, 0.4472



24.4391, 0.1175, 0.2243

Sweetspot

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



24.4404, 0.4254, 0.2372



67.7270, 0.3342, 0.2985



15.4977, 0.2236, 0.1210



13.7933, 0.3374, 0.2946



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.



24.4404, 0.4254, 0.2372



24.3100, 0.4593, 0.2366



22.4250, 0.5586, 0.3229



15.9015, 0.3209, 0.3163



11.0425, 0.4792, 0.2413



0.9387, 0.4526, 0.2267

Inverse Universe

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



24.4404, 0.4254, 0.2372



24.3100, 0.4593, 0.2366



69.1176, 0.2342, 0.3401



15.9015, 0.3209, 0.3163



11.0425, 0.4792, 0.2413



0.9387, 0.4526, 0.2267

Previews

White Background



This preview shows how the Yxy color 24.4391, 0.4254, 0.2372 looks on a white background.

Color Contrast Check

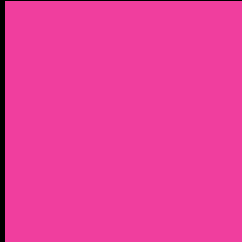
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4391, 0.4254, 0.2372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

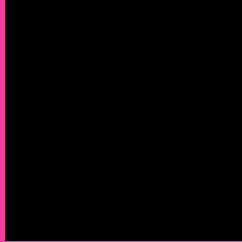
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4391, 0.4254, 0.2372

Background



This preview shows how black text looks on a background with the Yxy color 24.4391, 0.4254, 0.2372.



This preview shows how white text looks on a background with the Yxy color 24.4391, 0.4254, 0.2372.

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

24.4391, 0.4254, 0.2372

Protanopia

24.8702, 0.2309, 0.2190

Deuteranopia

24.5121, 0.3073, 0.3013



Tritanopia

24.3849, 0.5196, 0.3249

Trichromacy



Original Color

24.4391, 0.4254, 0.2372



Protanomaly

21.5673, 0.2822, 0.2139



Deuteranomaly

22.2474, 0.3487, 0.2649



Tritanomaly

24.2289, 0.4881, 0.2926

Monochromacy



Original Color

24.4391, 0.4254, 0.2372



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.7510, 0.3542, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4391, 0.4254, 0.2372 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(240, 62, 158)` looks like.

```
.text, #text, p{  
    color:rgb(240, 62, 158)  
}
```

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(240, 62, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 62, 158) }
```

Border

The CSS property to change the border of an element to Yxy 24.4391, 0.4254, 0.2372 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(240, 62, 158) }
```

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

```
.border{ border-color:rgb(240, 62, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 62, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 62, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 62, 158);  
box-shadow:4px 4px 4px 4px rgb(240, 62,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4391, 0.4254, 0.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 62, 158) }
```

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

```
.background{ background-color: rgb(240, 62,  
158) }
```

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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