

Converting Colors

$Yxy(24.4084, 0.4336, 0.2186)$

Have a look what the booklet for
Yxy(24.4084, 0.4336, 0.2186)
contains.

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Color

Yxy(24.3917, 0.4340, 0.2188)

Conversions

Conversions Part 1

Format	Color
Hex	FF0FA7
RGB	255, 15, 167
RGB Percent	100%, 6%, 65%
CMY	0.0000, 0.9407, 0.3452
CMYK	0.00, 0.94, 0.35, 0.00
HSL	322°, 100%, 53%
HSV	322°, 94%, 100%
XYZ	48.3821, 24.3917, 38.7057
YIQ	104.0880, 94.2480, 98.1520

Conversions

Conversions Part 2

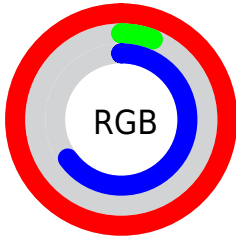
Format	Color
R_{YB}	255, 15, 167
Decimal	16715687
CIE _{Lab}	56.48, 86.82, -16.72
CIE _{LCh}	56, 88.416, 349.102
Yxy	24.3917, 0.4340, 0.2188
Android (android.graphics.Color)	4294905767 (0xFFFF0FA7)
YUV	104.0880, 31.0156, 132.3498
Hunter-Lab	49.3880, 88.4356, -11.8944

Details

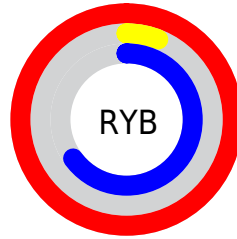
The Yxy color **24.3917, 0.4340, 0.2188** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.6001, 0.2827, 0.5343**, and the grayscale version is **13.7846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4346, 0.3517, 0.2158**, and **12.4443, 0.4549, 0.2280** is the 20% darker color. If you saturate the color by 10%, you get **23.8468, 0.4436, 0.2217**, and if you desaturate by 10%, it is **25.9667, 0.4175, 0.2173**.

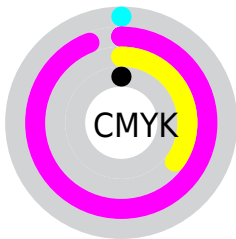
Distribution



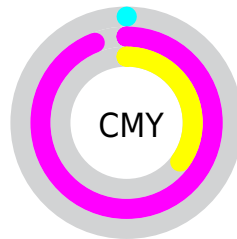
- Red (100%)
- Green (6%)
- Blue (65%)



- Red (100%)
- Yellow (6%)
- Blue (65%)



- Cyan (0%)
- Magenta (94%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3917, 0.4340, 0.2188 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 24.3917, 0.4340, 0.2188 by changing the saturation by 10% instead.


 24.3917, 0.4340,
0.2188


 24.3917, 0.4340,
0.2188


274.7948, 0.3702,
0.2743


 15.6244, 0.4507,
0.2051


 50.6686, 0.4102,
0.2389


 9.2588, 0.4726,
0.1876


 68.9471, 0.4014,
0.2465


 4.9104, 0.5023,
0.1649


 91.1648, 0.3941,
0.2529

 2.1948, 0.5443,
0.1347

 117.7060, 0.3879,
0.2585

 0.7171, 0.6079,
0.0925

 148.9553, 0.3825,
0.2632

 0.0000, 0.7396,
0.0000

185.2969, 0.3779,

 0.0000, 1.0000,

0.2674

0.0000

227.1153, 0.3738,
0.2711

■ 0.0000, 0.0000,
0.0000

■ 24.3917, 0.4340,
0.2188

■ 24.3917, 0.4340,
0.2188

■ 23.8468, 0.4436,
0.2217

■ 25.9667, 0.4175,
0.2173

■ 28.7021, 0.4008,
0.2211

■ 32.7908, 0.3844,
0.2297

■ 38.3898, 0.3691,
0.2420

■ 45.6343, 0.3552,
0.2568

■ 54.6443, 0.3429,
0.2731

■ 65.5285, 0.3322,
0.2900

■ 78.3870, 0.3231,
0.3066

■ 93.3126, 0.3155,
0.3227

Harmonies

Analogous

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



24.3917, 0.2782, 0.1636



24.3917, 0.4340, 0.2188



24.3917, 0.5643, 0.2916

Triad

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



24.3917, 0.4340, 0.2188



24.3917, 0.4058, 0.5715



24.3917, 0.0943, 0.1835

Complementary

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



24.3917, 0.4340, 0.2188



72.6001, 0.2827, 0.5343

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.



24.3917, 0.1097, 0.2935



24.3917, 0.4340, 0.2188



24.3917, 0.2832, 0.6135

Square

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



24.3917, 0.4340, 0.2188



24.3917, 0.5189, 0.4669



24.3917, 0.1732, 0.4841



24.3917, 0.1134, 0.1407

Rectangle

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



24.3917, 0.4340, 0.2188



24.3917, 0.5927, 0.3437



24.3917, 0.1732, 0.4841



24.3917, 0.0952, 0.2107

Sweetspot

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



24.3931, 0.4340, 0.2188



61.0210, 0.3362, 0.2833



10.4531, 0.1838, 0.0806



12.0753, 0.3409, 0.2761



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.



24.3931, 0.4340, 0.2188



23.8484, 0.4436, 0.2217



21.8101, 0.6126, 0.3187



18.1806, 0.3195, 0.3141



12.4911, 0.4410, 0.2203



1.2373, 0.4236, 0.2107

Inverse Universe

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



24.3931, 0.4340, 0.2188



23.8484, 0.4436, 0.2217



76.9462, 0.2366, 0.3694



18.1806, 0.3195, 0.3141



12.4911, 0.4410, 0.2203



1.2373, 0.4236, 0.2107

Previews

White Background



This preview shows how the Yxy color 24.3917, 0.4340, 0.2188 looks on a white background.

Color Contrast Check

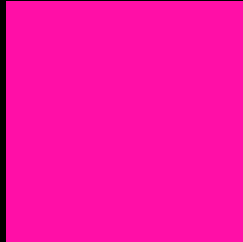
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3917, 0.4340, 0.2188 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 24.3917, 0.4340, 0.2188

Background



This preview shows how black text looks on a background with the Yxy color 24.3917, 0.4340, 0.2188.



This preview shows how white text looks on a background with the Yxy color 24.3917, 0.4340, 0.2188.

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

24.3917, 0.4340, 0.2188

Protanopia

25.0720, 0.2035, 0.1827

Deuteranopia

24.7508, 0.2970, 0.2917



Tritanopia

24.5962, 0.5617, 0.3275

Trichromacy



Original Color

24.3917, 0.4340, 0.2188



Protanomaly

18.4554, 0.2522, 0.1666



Deuteranomaly

19.7955, 0.3462, 0.2339



Tritanomaly

23.6431, 0.5248, 0.2860

Monochromacy



Original Color

24.3917, 0.4340, 0.2188



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.5380, 0.3677, 0.2435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3917, 0.4340, 0.2188 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(255, 15, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 167)  
}
```

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(255, 15, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 167) }
```

Border

The CSS property to change the border of an element to Yxy 24.3917, 0.4340, 0.2188 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(255, 15, 167) }
```

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

```
.border{ border-color:rgb(255, 15, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 15, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3917, 0.4340, 0.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 167) }
```

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

```
.background{ background-color: rgb(255, 15,  
167) }
```

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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