

Converting Colors

$Yxy(24.7027, 0.4092, 0.2028)$

Have a look what the booklet for
Yxy(24.7027, 0.4092, 0.2028)
contains.

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Color

Yxy(24.7207, 0.4086, 0.2025)

Conversions

Conversions Part 1

Format	Color
Hex	FF00B8
RGB	255, 0, 184
RGB Percent	100%, 0%, 72%
CMY	0.0001, 0.9985, 0.2785
CMYK	0.00, 1.00, 0.28, 0.00
HSL	317°, 100%, 50%
HSV	317°, 100%, 100%
XYZ	49.8809, 24.7207, 47.4760
YIQ	97.2210, 92.9160, 111.2840

Conversions

Conversions Part 2

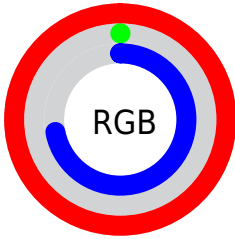
Format	Color
RYB	255, 0, 184
Decimal	16711864
CIELab	56.80, 89.50, -26.14
CIELCh	57, 93.242, 343.721
Yxy	24.7207, 0.4086, 0.2025
Android (android.graphics.Color)	4294901944 (0xFFFF00B8)
YUV	97.2210, 42.7820, 138.3722
Hunter-Lab	49.7199, 92.0680, -21.8102

Details

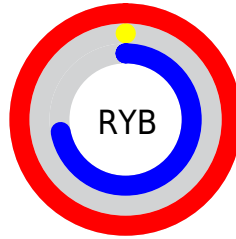
The Yxy color **24.7207, 0.4086, 0.2025** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **71.9622, 0.2910, 0.5674**, and the grayscale version is **11.9426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0540, 0.3334, 0.2002**, and **12.9761, 0.4231, 0.2104** is the 20% darker color. If you saturate the color by 10%, you get **24.7091, 0.4088, 0.2025**, and if you desaturate by 10%, it is **25.7530, 0.3973, 0.2006**.

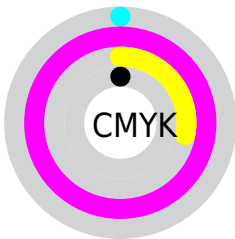
Distribution



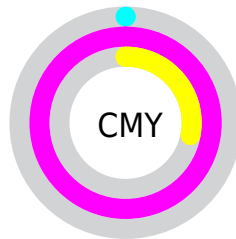
- Red (100%)
- Green (0%)
- Blue (72%)



- Red (100%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7207, 0.4086, 0.2025 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 24.7207, 0.4086, 0.2025 by changing the saturation by 10% instead.


 24.7207, 0.4086,
0.2025


 24.7207, 0.4086,
0.2025


276.4441, 0.3600,
0.2642


 15.8691, 0.4207,
0.1879


 51.2038, 0.3909,
0.2244

 9.4316, 0.4363,
0.1697


 69.6040, 0.3842,
0.2328


 5.0237, 0.4567,
0.1467


 91.9559, 0.3786,
0.2400

 2.2612, 0.4845,
0.1171

 118.6438, 0.3738,
0.2461

 0.7531, 0.5243,
0.0784

 150.0522, 0.3697,
0.2515

 0.0000, 0.6016,
0.0000

186.5655, 0.3660,

 0.0000, 0.7710,

0.2563

0.0000

228.5680, 0.3628,
0.2605

■ 0.0000, 0.0000,
0.0000

■ 24.7207, 0.4086,
0.2025

■ 24.7207, 0.4086,
0.2025

■ 24.7091, 0.4088,
0.2025

■ 25.7530, 0.3973,
0.2006

■ 27.7413, 0.3856,
0.2032

■ 30.9672, 0.3739,
0.2108

■ 35.6050, 0.3623,
0.2226

■ 41.8011, 0.3515,
0.2378

■ 49.6832, 0.3416,
0.2552

■ 59.3661, 0.3327,
0.2738

■ 70.9543, 0.3250,
0.2928

■ 84.5444, 0.3183,
0.3114

Harmonies

Analogous

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



24.7207, 0.2516, 0.1511



24.7207, 0.4086, 0.2025



24.7207, 0.5584, 0.2745

Triad

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



24.7207, 0.4086, 0.2025



24.7207, 0.4278, 0.5605



24.7207, 0.0879, 0.1910

Complementary

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



24.7207, 0.4086, 0.2025



71.9622, 0.2910, 0.5674

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.



24.7207, 0.1099, 0.3211



24.7207, 0.4086, 0.2025



24.7207, 0.3009, 0.6309

Square

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



24.7207, 0.4086, 0.2025



24.7207, 0.5413, 0.4480



24.7207, 0.1839, 0.5298



24.7207, 0.1016, 0.1388

Rectangle

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



24.7207, 0.4086, 0.2025



24.7207, 0.6016, 0.3263



24.7207, 0.1839, 0.5298



24.7207, 0.0907, 0.2235

Sweetspot

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



24.7221, 0.4086, 0.2025



59.2215, 0.3328, 0.2735



8.4653, 0.1649, 0.0682



11.7559, 0.3364, 0.2656



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.



24.7221, 0.4086, 0.2025



24.7161, 0.4088, 0.2025



21.5864, 0.6021, 0.3091



18.2089, 0.3181, 0.3120



12.9414, 0.4070, 0.2016



1.2787, 0.3948, 0.1949

Inverse Universe

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



24.7221, 0.4086, 0.2025



24.7161, 0.4088, 0.2025



75.4681, 0.2465, 0.4074



18.2089, 0.3181, 0.3120



12.9414, 0.4070, 0.2016



1.2787, 0.3948, 0.1949

Previews

White Background



This preview shows how the Yxy color 24.7207, 0.4086, 0.2025 looks on a white background.

Color Contrast Check

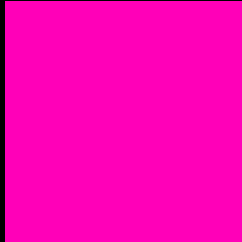
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7207, 0.4086, 0.2025 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 24.7207, 0.4086, 0.2025

Background



This preview shows how black text looks on a background with the Yxy color 24.7207, 0.4086, 0.2025.



This preview shows how white text looks on a background with the Yxy color 24.7207, 0.4086, 0.2025.

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

24.7207, 0.4086, 0.2025

Protanopia

25.7260, 0.1920, 0.1680

Deuteranopia

25.2930, 0.2754, 0.2701



Tritanopia

25.0610, 0.5491, 0.3273

Trichromacy



Original Color

24.7207, 0.4086, 0.2025



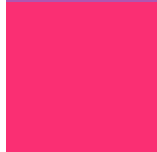
Protanomaly

17.7296, 0.2312, 0.1453



Deuteranomaly

19.1373, 0.3196, 0.2088



Tritanomaly

23.5948, 0.5085, 0.2756

Monochromacy



Original Color

24.7207, 0.4086, 0.2025



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.9003, 0.3589, 0.2246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7207, 0.4086, 0.2025 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, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 184)  
}
```

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, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 184) }
```

Border

The CSS property to change the border of an element to Yxy 24.7207, 0.4086, 0.2025 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, 0, 184) }
```

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

```
.border{ border-color:rgb(255, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7207, 0.4086, 0.2025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 184) }
```

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

```
.background{ background-color: rgb(255, 0,  
184) }
```

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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