

Converting Colors

$Yxy(40.9483, 0.5024, 0.2182)$

Have a look what the booklet for
Yxy(40.9483, 0.5024, 0.2182)
contains.

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Color

Yxy(25.0216, 0.3984, 0.1968)

Conversions

Conversions Part 1

Format	Color
Hex	FF00BF
RGB	255, 0, 191
RGB Percent	100%, 0%, 75%
CMY	0.0000, 1.0000, 0.2509
CMYK	0.00, 1.00, 0.25, 0.00
HSL	315°, 100%, 50%
HSV	315°, 100%, 100%
XYZ	50.6535, 25.0216, 51.4672
YIQ	98.0190, 90.6690, 113.4610

Conversions

Conversions Part 2

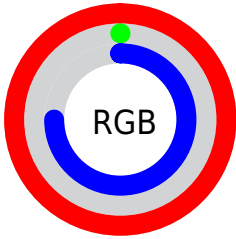
Format	Color
R_{YB}	255, 0, 191
Decimal	16711871
CIE _{Lab}	57.10, 90.31, -29.77
CIE _{LCh}	57, 95.086, 341.757
Yxy	25.0216, 0.3984, 0.1968
Android (android.graphics.Color)	4294901951 (0xFFFF00BF)
YUV	98.0190, 45.8396, 137.6723
Hunter-Lab	50.0216, 93.2171, -25.9883

Details

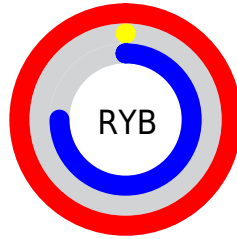
The Yxy color **25.0216, 0.3984, 0.1968** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **71.8898, 0.2926, 0.5735**, and the grayscale version is **12.0869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5401, 0.3257, 0.1943**, and **13.1436, 0.4112, 0.2039** is the 20% darker color. If you saturate the color by 10%, you get **25.0229, 0.3984, 0.1968**, and if you desaturate by 10%, it is **26.0277, 0.3885, 0.1955**.

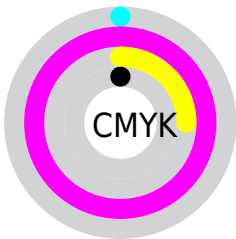
Distribution



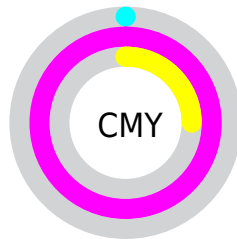
- Red (100%)
- Green (0%)
- Blue (75%)



- Red (100%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0216, 0.3984, 0.1968 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 25.0216, 0.3984, 0.1968 by changing the saturation by 10% instead.


 25.0216, 0.3984,
0.1968


 25.0216, 0.3984,
0.1968


277.9455, 0.3558,
0.2605


 16.0931, 0.4088,
0.1820


 51.6923, 0.3831,
0.2192


 9.5901, 0.4218,
0.1636


 70.2033, 0.3773,
0.2279


 5.1280, 0.4387,
0.1406


 92.6772, 0.3724,
0.2353

 2.3226, 0.4612,
0.1114

 119.4986, 0.3681,
0.2417

 0.7856, 0.4921,
0.0743

 151.0517, 0.3645,
0.2473

 0.0000, 0.5518,
0.0000

187.7209, 0.3612,


 0.0000, 0.6170,


0.2522


0.0000

229.8907, 0.3584,
0.2566


 0.0000, 0.0000,
0.0000


 25.0216, 0.3984,
0.1968


 25.0216, 0.3984,
0.1968

 25.0229, 0.3984,
0.1968

 26.0277, 0.3885,
0.1955

 27.9788, 0.3783,
0.1986

 31.1622, 0.3680,
0.2065

 35.7526, 0.3578,
0.2188

 41.8967, 0.3481,
0.2344

■ 49.7227, 0.3391,
0.2523

■ 59.3452, 0.3311,
0.2715

■ 70.8689, 0.3241,
0.2911

■ 84.3905, 0.3179,
0.3104

Harmonies

Analogous

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



25.0216, 0.2420, 0.1470



25.0216, 0.3984, 0.1968



25.0216, 0.5545, 0.2684

Triad

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



25.0216, 0.3984, 0.1968



25.0216, 0.4363, 0.5554



25.0216, 0.0861, 0.1947

Complementary

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



25.0216, 0.3984, 0.1968



71.8898, 0.2926, 0.5735

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.



25.0216, 0.1106, 0.3328



25.0216, 0.3984, 0.1968



25.0216, 0.3077, 0.6346

Square

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



25.0216, 0.3984, 0.1968



25.0216, 0.5492, 0.4408



25.0216, 0.1885, 0.5464



25.0216, 0.0978, 0.1386

Rectangle

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



25.0216, 0.3984, 0.1968



25.0216, 0.6036, 0.3200



25.0216, 0.1885, 0.5464



25.0216, 0.0896, 0.2294

Sweetspot

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



25.0229, 0.3984, 0.1968



59.3452, 0.3311, 0.2715



8.3016, 0.1630, 0.0672



11.7856, 0.3344, 0.2633



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.



25.0229, 0.3984, 0.1968



21.6273, 0.5976, 0.3065



18.2179, 0.3177, 0.3114



13.1002, 0.3968, 0.1960



1.2930, 0.3862, 0.1901

Inverse Universe

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



25.0229, 0.3984, 0.1968



75.2926, 0.2482, 0.4135



18.2179, 0.3177, 0.3114



13.1002, 0.3968, 0.1960



1.2930, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 25.0216, 0.3984, 0.1968 looks on a white background.

Color Contrast Check

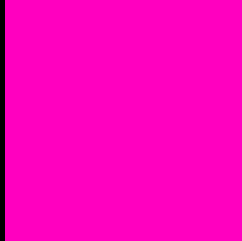
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0216, 0.3984, 0.1968 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 25.0216, 0.3984, 0.1968

Background



This preview shows how black text looks on a background with the Yxy color 25.0216, 0.3984, 0.1968.



This preview shows how white text looks on a background with the Yxy color 25.0216, 0.3984, 0.1968.

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

25.0216, 0.3984, 0.1968

Protanopia

26.0844, 0.1930, 0.1695

Deuteranopia

25.6088, 0.2669, 0.2614



Tritanopia

25.3708, 0.5441, 0.3264

Trichromacy



Original Color

25.0216, 0.3984, 0.1968



Protanomaly

18.1445, 0.2304, 0.1448



Deuteranomaly

19.3492, 0.3088, 0.2016



Tritanomaly

23.7940, 0.5002, 0.2713

Monochromacy



Original Color

25.0216, 0.3984, 0.1968



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

12.0798, 0.3553, 0.2211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0216, 0.3984, 0.1968 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 191) }
```

Border

The CSS property to change the border of an element to Yxy 25.0216, 0.3984, 0.1968 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, 191) }
```

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

```
.border{ border-color:rgb(255, 0, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
191) }
```

Background

The CSS property to change the background color of an element to Yxy 25.0216, 0.3984, 0.1968 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, 191) }
```

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

```
.background{ background-color: rgb(255, 0,  
191) }
```

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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