

Converting Colors

$Y_{xy}(40.1419, 0.3428, 0.2407)$

Have a look what the booklet for
Yxy(40.1419, 0.3428, 0.2407)
contains.

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Color

Yxy(40.0677, 0.3423, 0.2401)

Conversions

Conversions Part 1

Format	Color
Hex	F283D8
RGB	242, 131, 216
RGB Percent	95%, 51%, 85%
CMY	0.0511, 0.4862, 0.1529
CMYK	0.00, 0.46, 0.11, 0.05
HSL	314°, 81%, 73%
HSV	314°, 46%, 95%
XYZ	57.1228, 40.0677, 69.6888
YIQ	173.8790, 38.8710, 49.9670

Conversions

Conversions Part 2

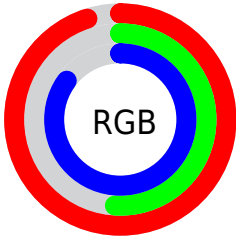
Format	Color
R_{YB}	242, 131, 216
Decimal	15893464
CIE _{Lab}	69.52, 53.34, -24.91
CIE _{LCh}	70, 58.870, 334.964
Yxy	40.0677, 0.3423, 0.2401
Android (android.graphics.Color)	4294083544 (0xFFFF283D8)
YUV	173.8790, 20.7657, 59.7421
Hunter-Lab	63.2991, 50.3098, -20.9657

Details

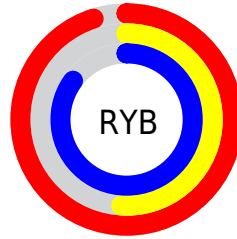
The Yxy color **40.0677, 0.3423, 0.2401** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **70.7518, 0.2931, 0.4394**, and the grayscale version is **42.1412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **18.0713, 0.3493, 0.2188** is the 20% darker color. If you saturate the color by 10%, you get **34.0218, 0.3510, 0.2231**, and if you desaturate by 10%, it is **47.6451, 0.3343, 0.2590**.

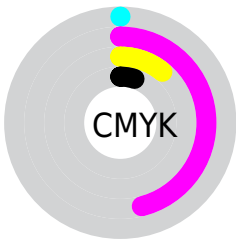
Distribution



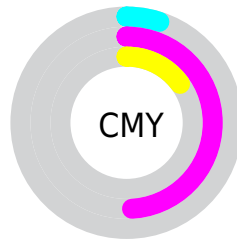
- Red (95%)
- Green (51%)
- Blue (85%)



- Red (95%)
- Yellow (51%)
- Blue (85%)



- Cyan (0%)
- Magenta (46%)
- Yellow (11%)
- Black (5%)




- Cyan (5%)
- Magenta (49%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0677, 0.3423, 0.2401 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 40.0677, 0.3423, 0.2401 by changing the saturation by 10% instead.


 40.0677, 0.3423,
0.2401


 40.0677, 0.3423,
0.2401


346.4088, 0.3288,
0.2820

 27.5913, 0.3453,
0.2304


 75.2666, 0.3377,
0.2547

 18.0178, 0.3490,
0.2185


 98.7579, 0.3358,
0.2604

 10.9628, 0.3535,
0.2033


 126.6897, 0.3343,
0.2652

 6.0418, 0.3591,
0.1836

159.4463, 0.3329,
0.2695

 2.8705, 0.3663,
0.1572

197.4121, 0.3317,
0.2732

 1.0645, 0.3751,
0.1205

240.9715, 0.3306,

 0.0000, 0.4131,

0.2764

0.0000

290.5090, 0.3296,
0.2794

0.0000, 0.2939,
0.0000

0.0000, 0.0000,
0.0000

40.0677, 0.3423,
0.2401

40.0677, 0.3423,
0.2401

34.0218, 0.3510,
0.2231

47.6451, 0.3343,
0.2590

29.3946, 0.3603,
0.2091

56.8453, 0.3272,
0.2787

26.0665, 0.3698,
0.1989

67.7591, 0.3209,
0.2986

23.8959, 0.3792,
0.1934

80.4690, 0.3155,
0.3180

■ 22.7078, 0.3884,
0.1927

■ 95.0520, 0.3109,
0.3366

■ 22.3897, 0.3921,
0.1933

■ 97.2947, 0.3076,
0.3339

■ 97.6132, 0.3047,
0.3290

Harmonies

Analogous

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



40.0677, 0.2585, 0.2091



40.0677, 0.3423, 0.2401



40.0677, 0.4278, 0.2890

Triad

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



40.0677, 0.3423, 0.2401



40.0677, 0.4241, 0.4652



40.0677, 0.1712, 0.2744

Complementary

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



40.0677, 0.3423, 0.2401



70.7518, 0.2931, 0.4394

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.



40.0677, 0.2040, 0.3609



40.0677, 0.3423, 0.2401



40.0677, 0.3486, 0.4892

Square

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



40.0677, 0.3423, 0.2401



40.0677, 0.4741, 0.4099



40.0677, 0.2679, 0.4505



40.0677, 0.1705, 0.2212

Rectangle

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



40.0677, 0.3423, 0.2401



40.0677, 0.4672, 0.3277



40.0677, 0.2679, 0.4505



40.0677, 0.1784, 0.3001

Sweetspot

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



40.0696, 0.3423, 0.2401



78.7730, 0.3199, 0.3022



29.8071, 0.2445, 0.1916



16.2383, 0.3211, 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.



40.0696, 0.3423, 0.2401



38.7473, 0.3504, 0.2242



37.6711, 0.4029, 0.2968



15.9644, 0.3174, 0.3111



12.0527, 0.3906, 0.1926



1.0178, 0.3795, 0.1864

Inverse Universe

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



40.0696, 0.3423, 0.2401



38.7473, 0.3504, 0.2242



73.0907, 0.2652, 0.3655



15.9644, 0.3174, 0.3111



12.0527, 0.3906, 0.1926



1.0178, 0.3795, 0.1864

Previews

White Background



This preview shows how the Yxy color 40.0677, 0.3423, 0.2401 looks on a white background.

Color Contrast Check

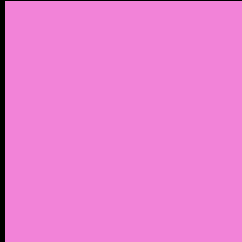
Large Text (above 18pt) WCAG AA × Fail

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 40.0677, 0.3423, 0.2401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

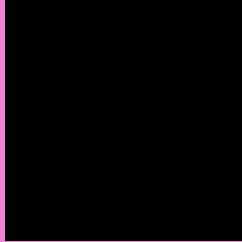
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0677, 0.3423, 0.2401

Background



This preview shows how black text looks on a background with the Yxy color 40.0677, 0.3423, 0.2401.

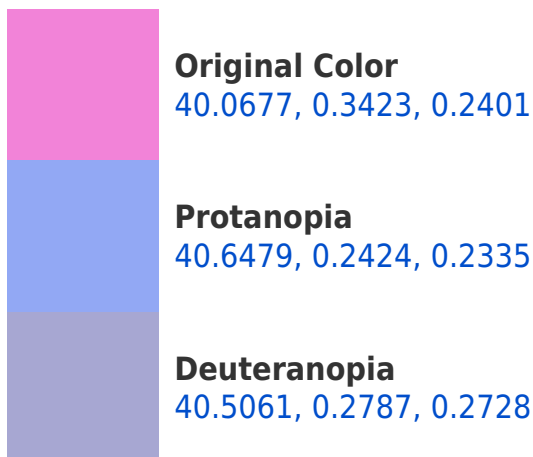


This preview shows how white text looks on a background with the Yxy color 40.0677, 0.3423, 0.2401.

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

39.9752, 0.3974, 0.3167

Trichromacy



Original Color

40.0677, 0.3423, 0.2401



Protanomaly

39.2070, 0.2719, 0.2336



Deuteranomaly

39.3340, 0.2996, 0.2579



Tritanomaly

39.8167, 0.3778, 0.2869

Monochromacy



Original Color

40.0677, 0.3423, 0.2401



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.2700, 0.3240, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0677, 0.3423, 0.2401 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(242, 131, 216)` looks like.

```
.text, #text, p{  
    color:rgb(242, 131, 216)  
}
```

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(242, 131, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 131, 216) }
```

Border

The CSS property to change the border of an element to Yxy 40.0677, 0.3423, 0.2401 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(242, 131, 216) }
```

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

```
.border{ border-color:rgb(242, 131, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 131, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 131, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 131, 216); box-shadow:4px 4px 4px 4px rgb(242, 131, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0677, 0.3423, 0.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 131, 216) }
```

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

```
.background{ background-color: rgb(242,  
131, 216) }
```

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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