

Converting Colors

$Y_{xy}(46.4308, 0.3107, 0.2381)$

Have a look what the booklet for
Yxy(46.4308, 0.3107, 0.2381)
contains.

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Color

Yxy(46.3974, 0.3109, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	E999F0
RGB	233, 153, 240
RGB Percent	91%, 60%, 94%
CMY	0.0864, 0.3999, 0.0590
CMYK	0.03, 0.36, 0.00, 0.06
HSL	295°, 74%, 77%
HSV	295°, 36%, 94%
XYZ	60.7111, 46.3974, 88.1668
YIQ	186.8380, 19.7530, 44.0170

Conversions

Conversions Part 2

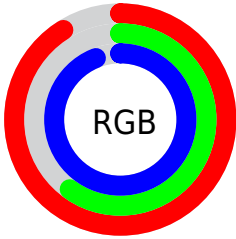
Format	Color
R _Y B	233, 153, 240
Decimal	15309296
CIE _{Lab}	73.80, 43.53, -31.58
CIE _{LCh}	74, 53.776, 324.036
Yxy	46.3974, 0.3109, 0.2376
Android (android.graphics.Color)	4293499376 (0xFFE999F0)
YUV	186.8380, 26.2089, 40.4841
Hunter-Lab	68.1156, 39.8937, -29.0622

Details

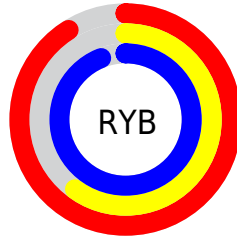
The Yxy color $46.3974, 0.3109, 0.2376$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $72.0777, 0.3119, 0.4373$, and the grayscale version is $49.4408, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $21.8051, 0.3086, 0.2162$ is the 20% darker color. If you saturate the color by 10%, you get $38.9931, 0.3098, 0.2137$, and if you desaturate by 10%, it is $55.3888, 0.3117, 0.2629$.

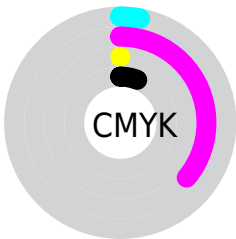
Distribution



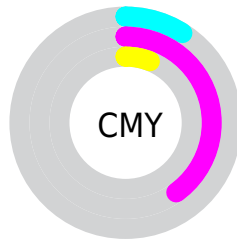
- Red (91%)
- Green (60%)
- Blue (94%)



- Red (91%)
- Yellow (60%)
- Blue (94%)



- Cyan (3%)
- Magenta (36%)
- Yellow (0%)
- Black (6%)



- Cyan (9%)
- Magenta (40%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3974, 0.3109, 0.2376 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 46.3974, 0.3109, 0.2376 by changing the saturation by 10% instead.

 46.3974, 0.3109,
0.2376


 46.3974, 0.3109,
0.2376


372.4040, 0.3131,
0.2796

 32.5595, 0.3100,
0.2282


 84.8134, 0.3119,
0.2521

 21.7892, 0.3088,
0.2166


 110.1604, 0.3123,
0.2577

 13.7021, 0.3069,
0.2022


140.1125, 0.3125,
0.2626

 7.9138, 0.3040,
0.1838

175.0541, 0.3127,
0.2669

 4.0398, 0.2990,
0.1597

215.3697, 0.3128,
0.2706

 1.6959, 0.2900,
0.1272

261.4436, 0.3129,

 0.4210, 0.2753,

0.2740

0.0712

313.6603, 0.3130,
0.2769

0.0000, 0.2092,
0.0000

0.0000, 0.0000,
0.0000

46.3974, 0.3109,
0.2376

46.3974, 0.3109,
0.2376

38.9931, 0.3098,
0.2137

55.3888, 0.3117,
0.2629

33.0747, 0.3085,
0.1921

66.0486, 0.3123,
0.2885

28.5387, 0.3069,
0.1738

78.4596, 0.3126,
0.3138

25.2657, 0.3052,
0.1596

92.6976, 0.3128,
0.3380

■ 23.1163, 0.3032,
0.1498

■ 96.7976, 0.3137,
0.3438

■ 21.9167, 0.3012,
0.1443

■ 97.1425, 0.3149,
0.3437

■ 21.6059, 0.3004,
0.1429

■ 97.4910, 0.3161,
0.3437

■ 97.8431, 0.3173,
0.3436

■ 98.1989, 0.3185,
0.3436

Harmonies

Analogous

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



46.3974, 0.2432, 0.2169



46.3974, 0.3109, 0.2376



46.3974, 0.3879, 0.2768

Triad

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



46.3974, 0.3109, 0.2376



46.3974, 0.4319, 0.4352



46.3974, 0.1945, 0.3075

Complementary

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



46.3974, 0.3109, 0.2376



72.0777, 0.3119, 0.4373

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.



46.3974, 0.2355, 0.3871



46.3974, 0.3109, 0.2376



46.3974, 0.3721, 0.4663

Square

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



46.3974, 0.3109, 0.2376



46.3974, 0.4613, 0.3836



46.3974, 0.3002, 0.4517



46.3974, 0.1829, 0.2484

Rectangle

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



46.3974, 0.3109, 0.2376



46.3974, 0.4307, 0.3101



46.3974, 0.3002, 0.4517



46.3974, 0.2050, 0.3330

Sweetspot

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



46.3994, 0.3109, 0.2376



82.9650, 0.3125, 0.3017



38.3012, 0.2478, 0.2288



17.3461, 0.3124, 0.2983



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.



46.3994, 0.3109, 0.2376



47.2019, 0.3102, 0.2209



45.6588, 0.3494, 0.2741



15.9629, 0.3125, 0.3056



11.8588, 0.3008, 0.1431



1.0056, 0.3036, 0.1446

Inverse Universe

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



43.8506, 0.3934, 0.3214



43.9570, 0.4170, 0.3201



72.7605, 0.2880, 0.3917



15.7795, 0.3281, 0.3271



10.1749, 0.6312, 0.3251



0.8535, 0.6104, 0.3136

Previews

White Background



This preview shows how the Yxy color 46.3974, 0.3109, 0.2376 looks on a white background.

Color Contrast Check

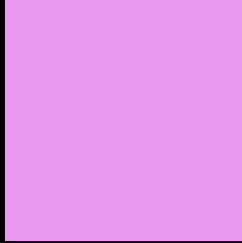
Large Text (above 18pt) WCAG AA × Fail

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 46.3974, 0.3109, 0.2376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

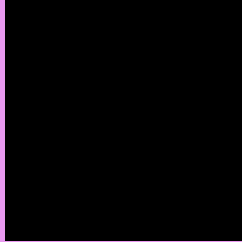
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3974, 0.3109, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 46.3974, 0.3109, 0.2376.

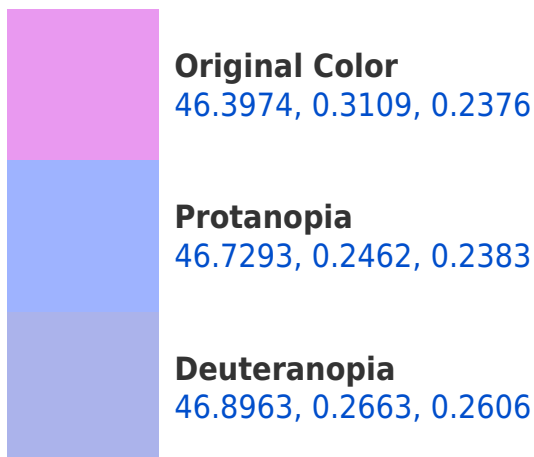


This preview shows how white text looks on a background with the Yxy color 46.3974, 0.3109, 0.2376.

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

46.4943, 0.3574, 0.3151

Trichromacy



Original Color

46.3974, 0.3109, 0.2376



Protanomaly

45.9659, 0.2659, 0.2367



Deuteranomaly

46.3332, 0.2812, 0.2510



Tritanomaly

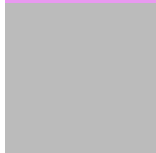
46.2008, 0.3397, 0.2839

Monochromacy



Original Color

46.3974, 0.3109, 0.2376



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.9535, 0.3127, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3974, 0.3109, 0.2376 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(233, 153, 240)` looks like.

```
.text, #text, p{  
    color:rgb(233, 153, 240)  
}
```

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(233, 153, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 153, 240) }
```

Border

The CSS property to change the border of an element to Yxy 46.3974, 0.3109, 0.2376 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(233, 153, 240) }
```

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

```
.border{ border-color:rgb(233, 153, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 153, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 153, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 153, 240);  
box-shadow:4px 4px 4px 4px rgb(233, 153,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3974, 0.3109, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 153, 240) }
```

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

```
.background{ background-color: rgb(233,  
153, 240) }
```

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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