

Converting Colors

$Y_{xy}(40.0104, 0.3226, 0.2377)$

Have a look what the booklet for
Yxy(40.0104, 0.3226, 0.2377)
contains.

Yxy(39.9449, 0.3227, 0.2375)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.9449, 0.3227, 0.2375)

Conversions

Conversions Part 1

Format	Color
Hex	E48ADE
RGB	228, 138, 222
RGB Percent	89%, 54%, 87%
CMY	0.1058, 0.4589, 0.1293
CMYK	0.00, 0.39, 0.03, 0.11
HSL	304°, 63%, 72%
HSV	304°, 39%, 89%
XYZ	54.2746, 39.9449, 73.9695
YIQ	174.4860, 26.6760, 45.2040

Conversions

Conversions Part 2

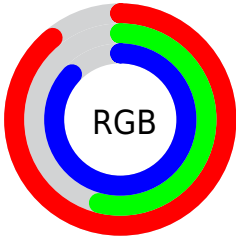
Format	Color
RYB	228, 138, 222
Decimal	14977758
CIELab	69.43, 46.58, -28.52
CIElCh	69, 54.622, 328.520
Yxy	39.9449, 0.3227, 0.2375
Android (android.graphics.Color)	4293167838 (0xFFE48ADE)
YUV	174.4860, 23.4244, 46.9318
Hunter-Lab	63.2020, 42.6832, -25.1497

Details

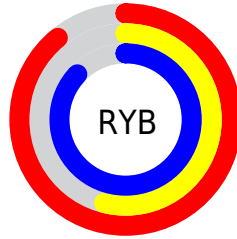
The Yxy color **39.9449, 0.3227, 0.2375** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **62.9138, 0.3038, 0.4417**, and the grayscale version is **42.4582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **17.9449, 0.3233, 0.2148** is the 20% darker color. If you saturate the color by 10%, you get **33.9958, 0.3256, 0.2165**, and if you desaturate by 10%, it is **47.2717, 0.3199, 0.2603**.

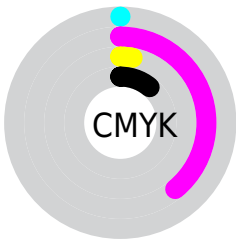
Distribution



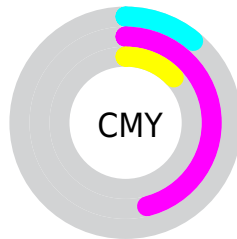
- Red (89%)
- Green (54%)
- Blue (87%)



- Red (89%)
- Yellow (54%)
- Blue (87%)



- Cyan (0%)
- Magenta (39%)
- Yellow (3%)
- Black (11%)





- Cyan (11%)
- Magenta (46%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9449, 0.3227, 0.2375 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 39.9449, 0.3227, 0.2375 by changing the saturation by 10% instead.


 39.9449, 0.3227,
0.2375


 39.9449, 0.3227,
0.2375


345.8913, 0.3191,
0.2806

 27.4956, 0.3232,
0.2276


 75.0796, 0.3217,
0.2525

 17.9458, 0.3237,
0.2153


 98.5338, 0.3212,
0.2584

 10.9111, 0.3240,
0.1998


 126.4250, 0.3208,
0.2634

 6.0071, 0.3239,
0.1796

159.1378, 0.3204,
0.2677

 2.8494, 0.3225,
0.1527

197.0564, 0.3200,
0.2715

 1.0536, 0.3181,
0.1157

240.5652, 0.3197,

 0.0000, 0.3254,

0.2749

0.0000

290.0487, 0.3194,
0.2779

■ 0.0000, 0.0335,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9449, 0.3227,
0.2375

■ 39.9449, 0.3227,
0.2375

■ 33.9958, 0.3256,
0.2165

■ 47.2717, 0.3199,
0.2603

■ 29.3322, 0.3285,
0.1981

■ 56.0498, 0.3172,
0.2838

■ 25.8596, 0.3313,
0.1833

■ 66.3543, 0.3148,
0.3073

■ 23.4677, 0.3340,
0.1727

■ 78.2532, 0.3126,
0.3302

■ 22.0263, 0.3364,
0.1664

■ 91.8107, 0.3106,
0.3519

■ 21.3219, 0.3385,
0.1640

■ 93.7947, 0.3097,
0.3533

■ 21.2923, 0.3386,
0.1639

■ 93.8810, 0.3088,
0.3517

■ 93.9681, 0.3079,
0.3502

■ 94.0559, 0.3071,
0.3486

Harmonies

Analogous

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



39.9449, 0.2481, 0.2126



39.9449, 0.3227, 0.2375



39.9449, 0.4043, 0.2809

Triad

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



39.9449, 0.3227, 0.2375



39.9449, 0.4306, 0.4479



39.9449, 0.1838, 0.2940

Complementary

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



39.9449, 0.3227, 0.2375



62.9138, 0.3038, 0.4417

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.



39.9449, 0.2220, 0.3781



39.9449, 0.3227, 0.2375



39.9449, 0.3638, 0.4771

Square

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



39.9449, 0.3227, 0.2375



39.9449, 0.4686, 0.3942



39.9449, 0.2874, 0.4537



39.9449, 0.1765, 0.2364

Rectangle

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



39.9449, 0.3227, 0.2375



39.9449, 0.4466, 0.3166



39.9449, 0.2874, 0.4537



39.9449, 0.1931, 0.3201

Sweetspot

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



39.9467, 0.3227, 0.2375



81.8759, 0.3154, 0.3013



29.5715, 0.2431, 0.2094



17.1414, 0.3157, 0.2982



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.



39.9467, 0.3227, 0.2375



45.3459, 0.3250, 0.2209



37.9064, 0.3665, 0.2825



14.5978, 0.3148, 0.3074



12.2995, 0.3383, 0.1637



0.9139, 0.3355, 0.1622

Inverse Universe

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



39.9467, 0.3227, 0.2375



45.3459, 0.3250, 0.2209



64.5101, 0.2796, 0.3817



14.5978, 0.3148, 0.3074



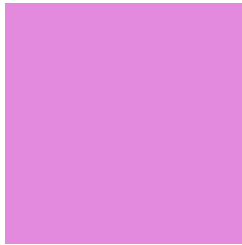
12.2995, 0.3383, 0.1637



0.9139, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 39.9449, 0.3227, 0.2375 looks on a white background.

Color Contrast Check

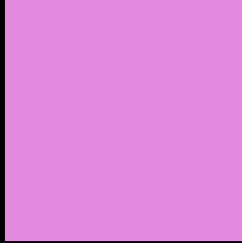
Large Text (above 18pt) WCAG AA × Fail

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 39.9449, 0.3227, 0.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

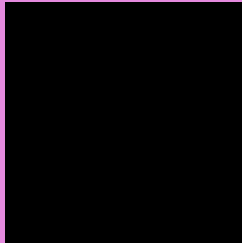
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9449, 0.3227, 0.2375

Background



This preview shows how black text looks on a background with the Yxy color 39.9449, 0.3227, 0.2375.



This preview shows how white text looks on a background with the Yxy color 39.9449, 0.3227, 0.2375.

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

39.9449, 0.3227, 0.2375

Protanopia

40.2497, 0.2410, 0.2311

Deuteranopia

40.3286, 0.2699, 0.2639



Tritanopia

39.9575, 0.3724, 0.3159

Trichromacy



Original Color

39.9449, 0.3227, 0.2375



Protanomaly

39.0053, 0.2652, 0.2306



Deuteranomaly

39.3305, 0.2871, 0.2513



Tritanomaly

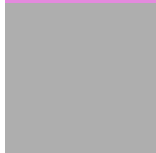
39.7064, 0.3539, 0.2847

Monochromacy



Original Color

39.9449, 0.3227, 0.2375



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.7207, 0.3173, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9449, 0.3227, 0.2375 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(228, 138, 222)` looks like.

```
.text, #text, p{  
    color:rgb(228, 138, 222)  
}
```

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(228, 138, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 138, 222) }
```

Border

The CSS property to change the border of an element to Yxy 39.9449, 0.3227, 0.2375 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(228, 138, 222) }
```

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

```
.border{ border-color:rgb(228, 138, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 138, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 138, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 138, 222);  
box-shadow:4px 4px 4px 4px rgb(228, 138,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9449, 0.3227, 0.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 138, 222) }
```

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

```
.background{ background-color: rgb(228,  
138, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor