

Converting Colors

$Y_{xy}(39.6167, 0.3095, 0.2282)$

Have a look what the booklet for
Yxy(39.6167, 0.3095, 0.2282)
contains.

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Color

Yxy(39.4761, 0.3091, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	DE8AE7
RGB	222, 138, 231
RGB Percent	87%, 54%, 91%
CMY	0.1295, 0.4588, 0.0940
CMYK	0.04, 0.40, 0.00, 0.09
HSL	294°, 66%, 72%
HSV	294°, 40%, 91%
XYZ	53.6354, 39.4761, 80.4098
YIQ	173.7180, 20.2110, 46.7310

Conversions

Conversions Part 2

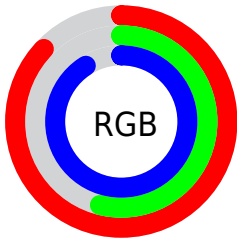
Format	Color
R _Y B	222, 138, 231
Decimal	14584551
CIE Lab	69.09, 46.39, -34.06
CIE LCh	69, 57.556, 323.713
Yxy	39.4761, 0.3091, 0.2275
Android (android.graphics.Color)	4292774631 (0xFFDE8AE7)
YUV	173.7180, 28.2400, 42.3433
Hunter-Lab	62.8300, 42.4257, -31.8983

Details

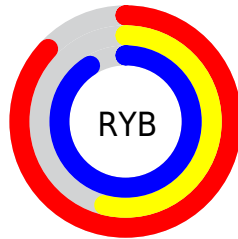
The Yxy color **39.4761, 0.3091, 0.2275** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **65.2066, 0.3125, 0.4507**, and the grayscale version is **42.0215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **17.5915, 0.3059, 0.2030** is the 20% darker color. If you saturate the color by 10%, you get **33.1865, 0.3075, 0.2041**, and if you desaturate by 10%, it is **47.1836, 0.3104, 0.2525**.

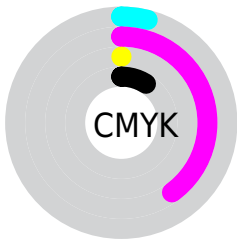
Distribution



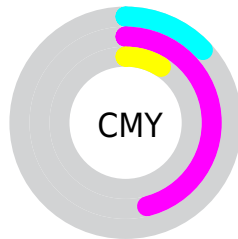
- Red (87%)
- Green (54%)
- Blue (91%)



- Red (87%)
- Yellow (54%)
- Blue (91%)



- Cyan (4%)
- Magenta (40%)
- Yellow (0%)
- Black (9%)




- Cyan (13%)
- Magenta (46%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4761, 0.3091, 0.2275 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 39.4761, 0.3091, 0.2275 by changing the saturation by 10% instead.


 39.4761, 0.3091,
0.2275


 39.4761, 0.3091,
0.2275


343.9104, 0.3125,
0.2749


 27.1303, 0.3078,
0.2167


 74.3651, 0.3107,
0.2440

 17.6711, 0.3060,
0.2034


 97.6770, 0.3112,
0.2504

 10.7141, 0.3032,
0.1868


 125.4132, 0.3115,
0.2559

 5.8749, 0.2988,
0.1654

157.9579, 0.3118,
0.2607

 2.7692, 0.2914,
0.1374

195.6956, 0.3121,
0.2649

 1.0125, 0.2776,
0.1001

239.0107, 0.3123,

 0.0000, 0.2628,


0.2686


0.0000


288.2875, 0.3124,
0.2720


 0.0000, 0.0000,
0.0000

 39.4761, 0.3091,
0.2275

 39.4761, 0.3091,
0.2275


 33.1865, 0.3075,
0.2041


 47.1836, 0.3104,
0.2525


 28.2194, 0.3056,
0.1835


 56.3862, 0.3114,
0.2782


 24.4760, 0.3034,
0.1664


 67.1614, 0.3122,
0.3037


 21.8413, 0.3011,
0.1535


 79.5802, 0.3127,
0.3284

 20.1781, 0.2987,
0.1451

 93.7088, 0.3130,
0.3517

 19.2649, 0.2962,
0.1406

 95.0299, 0.3143,
0.3531

 95.4153, 0.3157,
0.3530

 95.8056, 0.3172,
0.3529

 96.2007, 0.3186,
0.3528

Harmonies

Analogous

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



39.4761, 0.2342, 0.2051



39.4761, 0.3091, 0.2275



39.4761, 0.3964, 0.2700

Triad

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



39.4761, 0.3091, 0.2275



39.4761, 0.4451, 0.4449



39.4761, 0.1816, 0.3043

Complementary

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



39.4761, 0.3091, 0.2275



65.2066, 0.3125, 0.4507

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.



39.4761, 0.2262, 0.3959



39.4761, 0.3091, 0.2275



39.4761, 0.3779, 0.4835

Square

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



39.4761, 0.3091, 0.2275



39.4761, 0.4792, 0.3863



39.4761, 0.2979, 0.4703



39.4761, 0.1692, 0.2385

Rectangle

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



39.4761, 0.3091, 0.2275



39.4761, 0.4453, 0.3061



39.4761, 0.2979, 0.4703



39.4761, 0.1929, 0.3333

Sweetspot

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



39.4778, 0.3091, 0.2275



81.4471, 0.3121, 0.2991



32.1390, 0.2400, 0.2179



17.0397, 0.3120, 0.2958



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.



39.4778, 0.3091, 0.2275



42.9599, 0.3078, 0.2086



39.0590, 0.3532, 0.2665



14.5403, 0.3122, 0.3057



10.8282, 0.2966, 0.1408



0.8209, 0.3004, 0.1429

Inverse Universe

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



37.2802, 0.4047, 0.3188



39.9544, 0.4336, 0.3171



65.6718, 0.2866, 0.4020



14.3906, 0.3277, 0.3267



9.5658, 0.6286, 0.3236



0.7147, 0.6018, 0.3089

Previews

White Background



This preview shows how the Yxy color 39.4761, 0.3091, 0.2275 looks on a white background.

Color Contrast Check

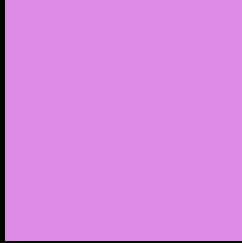
Large Text (above 18pt) WCAG AA × Fail

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 39.4761, 0.3091, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

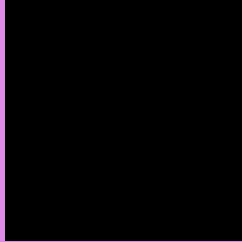
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4761, 0.3091, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 39.4761, 0.3091, 0.2275.



This preview shows how white text looks on a background with the Yxy color 39.4761, 0.3091, 0.2275.

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

39.4761, 0.3091, 0.2275

Protanopia

39.9172, 0.2326, 0.2201

Deuteranopia

39.6334, 0.2579, 0.2512



Tritanopia

39.2829, 0.3631, 0.3143

Trichromacy



Original Color

39.4761, 0.3091, 0.2275



Protanomaly

38.8658, 0.2549, 0.2207



Deuteranomaly

38.9621, 0.2746, 0.2405



Tritanomaly

39.0972, 0.3428, 0.2802

Monochromacy



Original Color

39.4761, 0.3091, 0.2275



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.5062, 0.3111, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4761, 0.3091, 0.2275 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(222, 138, 231)` looks like.

```
.text, #text, p{  
    color:rgb(222, 138, 231)  
}
```

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(222, 138, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 138, 231) }
```

Border

The CSS property to change the border of an element to Yxy 39.4761, 0.3091, 0.2275 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(222, 138, 231) }
```

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

```
.border{ border-color:rgb(222, 138, 231) }
```

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

Here you see how a box with a 4 pixel rgb(222, 138, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 138, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 138, 231);  
box-shadow:4px 4px 4px 4px rgb(222, 138,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4761, 0.3091, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 138, 231) }
```

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

```
.background{ background-color: rgb(222,  
138, 231) }
```

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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