

Converting Colors

$Y_{xy}(39.0107, 0.3106, 0.2252)$

Have a look what the booklet for
Yxy(39.0107, 0.3106, 0.2252)
contains.

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Color

Yxy(38.9448, 0.3110, 0.2250)

Conversions

Conversions Part 1

Format	Color
Hex	E087E7
RGB	224, 135, 231
RGB Percent	88%, 53%, 91%
CMY	0.1216, 0.4706, 0.0939
CMYK	0.03, 0.42, 0.00, 0.09
HSL	296°, 67%, 72%
HSV	296°, 42%, 91%
XYZ	53.8304, 38.9448, 80.3128
YIQ	172.5550, 22.2280, 48.7240

Conversions

Conversions Part 2

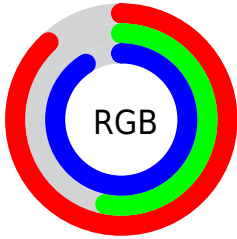
Format	Color
R _Y B	224, 135, 231
Decimal	14714855
CIE Lab	68.71, 48.55, -34.65
CIE LCh	69, 59.645, 324.482
Yxy	38.9448, 0.3110, 0.2250
Android (android.graphics.Color)	4292904935 (0xFFE087E7)
YUV	172.5550, 28.8134, 45.1173
Hunter-Lab	62.4058, 44.7616, -32.6190

Details

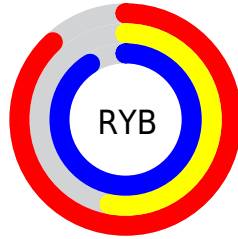
The Yxy color **38.9448, 0.3110, 0.2250** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **64.6813, 0.3110, 0.4559**, and the grayscale version is **41.3947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **17.3452, 0.3084, 0.2004** is the 20% darker color. If you saturate the color by 10%, you get **32.9139, 0.3100, 0.2023**, and if you desaturate by 10%, it is **46.3806, 0.3118, 0.2496**.

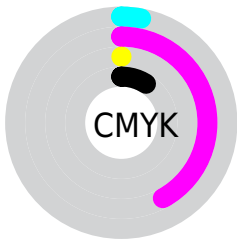
Distribution



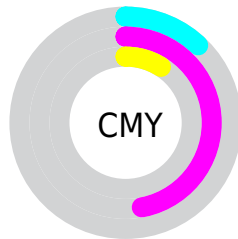
- Red (88%)
- Green (53%)
- Blue (91%)



- Red (88%)
- Yellow (53%)
- Blue (91%)



- Cyan (3%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)





- Cyan (12%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9448, 0.3110, 0.2250 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 38.9448, 0.3110, 0.2250 by changing the saturation by 10% instead.

 38.9448, 0.3110,
0.2250


 38.9448, 0.3110,
0.2250


341.6557, 0.3136,
0.2735


 26.7168, 0.3099,
0.2140


 73.5540, 0.3123,
0.2418

 17.3606, 0.3083,
0.2004


 96.7039, 0.3127,
0.2484

 10.4920, 0.3058,
0.1835


 124.2633, 0.3129,
0.2540

 5.7263, 0.3017,
0.1618

156.6166, 0.3132,
0.2589

 2.6794, 0.2946,
0.1334

194.1480, 0.3133,
0.2633

 0.9667, 0.2813,
0.0959

237.2421, 0.3134,


 0.0000, 0.2661,


0.2671


0.0000

286.2832, 0.3135,
0.2705


 0.0000, 0.0000,
0.0000

 38.9448, 0.3110,
0.2250

 38.9448, 0.3110,
0.2250


 32.9139, 0.3100,
0.2023


 46.3806, 0.3118,
0.2496

 28.1914, 0.3087,
0.1825

 55.2993, 0.3123,
0.2750


 24.6767, 0.3073,
0.1665

 65.7795, 0.3126,
0.3004

 22.2525, 0.3056,
0.1547

 77.8924, 0.3127,
0.3252

 20.7779, 0.3038,
0.1474

 91.7052, 0.3127,
0.3488

■ 20.0793, 0.3023,
0.1439

■ 94.8134, 0.3135,
0.3531

■ 95.1023, 0.3146,
0.3531

■ 95.3939, 0.3157,
0.3530

■ 95.6883, 0.3167,
0.3529

Harmonies

Analogous

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



38.9448, 0.2329, 0.2013



38.9448, 0.3110, 0.2250



38.9448, 0.4020, 0.2691

Triad

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



38.9448, 0.3110, 0.2250



38.9448, 0.4479, 0.4497



38.9448, 0.1763, 0.3006

Complementary

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



38.9448, 0.3110, 0.2250



64.6813, 0.3110, 0.4559

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.



38.9448, 0.2212, 0.3962



38.9448, 0.3110, 0.2250



38.9448, 0.3775, 0.4901

Square

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



38.9448, 0.3110, 0.2250



38.9448, 0.4851, 0.3889



38.9448, 0.2946, 0.4756



38.9448, 0.1647, 0.2336

Rectangle

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



38.9448, 0.3110, 0.2250



38.9448, 0.4523, 0.3063



38.9448, 0.2946, 0.4756



38.9448, 0.1875, 0.3306

Sweetspot

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



38.9465, 0.3110, 0.2250



81.5828, 0.3126, 0.2992



30.5701, 0.2369, 0.2115



17.0719, 0.3125, 0.2959



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.



38.9465, 0.3110, 0.2250



42.0553, 0.3101, 0.2051



38.0878, 0.3567, 0.2662



14.5585, 0.3126, 0.3058



11.2757, 0.3026, 0.1441



0.8494, 0.3054, 0.1456

Inverse Universe

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



36.2797, 0.4118, 0.3212



38.3705, 0.4451, 0.3198



65.4232, 0.2851, 0.4026



14.3851, 0.3281, 0.3273



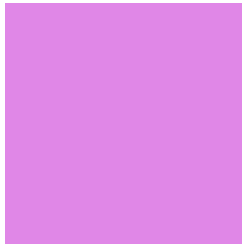
9.5536, 0.6319, 0.3255



0.7120, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 38.9448, 0.3110, 0.2250 looks on a white background.

Color Contrast Check

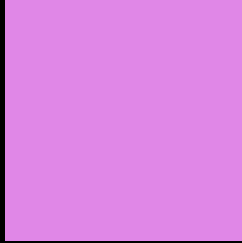
Large Text (above 18pt) WCAG AA × Fail

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 38.9448, 0.3110, 0.2250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

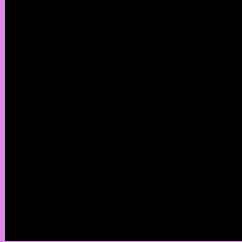
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9448, 0.3110, 0.2250

Background



This preview shows how black text looks on a background with the Yxy color 38.9448, 0.3110, 0.2250.



This preview shows how white text looks on a background with the Yxy color 38.9448, 0.3110, 0.2250.

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

38.9448, 0.3110, 0.2250

Protanopia

39.3645, 0.2301, 0.2174

Deuteranopia

39.0219, 0.2569, 0.2507



Tritanopia

38.8684, 0.3677, 0.3144

Trichromacy



Original Color

38.9448, 0.3110, 0.2250



Protanomaly

38.0899, 0.2539, 0.2181



Deuteranomaly

38.1222, 0.2743, 0.2388



Tritanomaly

38.7441, 0.3461, 0.2793

Monochromacy



Original Color

38.9448, 0.3110, 0.2250



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.8978, 0.3129, 0.2846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9448, 0.3110, 0.2250 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(224, 135, 231)` looks like.

```
.text, #text, p{  
    color:rgb(224, 135, 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(224, 135, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 135, 231) }
```

Border

The CSS property to change the border of an element to Yxy 38.9448, 0.3110, 0.2250 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(224, 135, 231) }
```

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

```
.border{ border-color:rgb(224, 135, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 135, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 135, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 135, 231);  
box-shadow:4px 4px 4px 4px rgb(224, 135,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9448, 0.3110, 0.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 135, 231) }
```

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

```
.background{ background-color: rgb(224,  
135, 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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