

Converting Colors

$Y_{xy}(38.9782, 0.3331, 0.2491)$

Have a look what the booklet for
Yxy(38.9782, 0.3331, 0.2491)
contains.

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Color

Yxy(38.9492, 0.3331, 0.2497)

Conversions

Conversions Part 1

Format	Color
Hex	E28AD1
RGB	226, 138, 209
RGB Percent	89%, 54%, 82%
CMY	0.1137, 0.4588, 0.1805
CMYK	0.00, 0.39, 0.08, 0.11
HSL	312°, 60%, 71%
HSV	312°, 39%, 89%
XYZ	51.9583, 38.9492, 65.0765
YIQ	172.4060, 29.6570, 40.7370

Conversions

Conversions Part 2

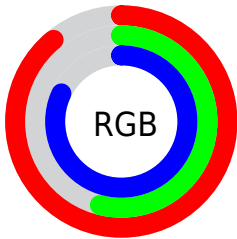
Format	Color
R _Y B	226, 138, 209
Decimal	14846673
CIE _{Lab}	68.71, 43.68, -22.41
CIE _{LCh}	69, 49.094, 332.842
Y _{xy}	38.9492, 0.3331, 0.2497
Android (android.graphics.Color)	4293036753 (0xFFE28AD1)
Y _{UV}	172.4060, 18.0408, 47.0019
Hunter-Lab	62.4093, 39.3922, -18.1374

Details

The Yxy color **38.9492, 0.3331, 0.2497** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.1677, 0.2976, 0.4243**, and the grayscale version is **41.3679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **17.2651, 0.3380, 0.2294** is the 20% darker color. If you saturate the color by 10%, you get **32.9124, 0.3399, 0.2306**, and if you desaturate by 10%, it is **46.3447, 0.3269, 0.2701**.

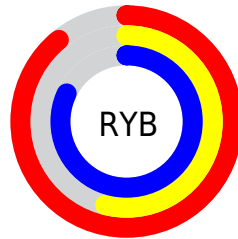
Distribution



Red (89%)

Green (54%)

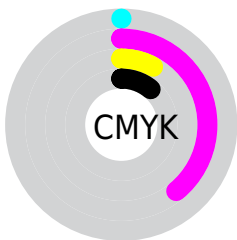
Blue (82%)



Red (89%)

Yellow (54%)

Blue (82%)

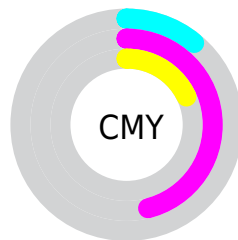


Cyan (0%)

Magenta (39%)

Yellow (8%)

Black (11%)



Cyan (11%)


Magenta (46%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9492, 0.3331, 0.2497 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 38.9492, 0.3331, 0.2497 by changing the saturation by 10% instead.


 38.9492, 0.3331,
0.2497


 38.9492, 0.3331,
0.2497


341.6745, 0.3238,
0.2877


 26.7202, 0.3351,
0.2407


 73.5607, 0.3299,
0.2631

 17.3632, 0.3376,
0.2296


 96.7120, 0.3287,
0.2683

 10.4938, 0.3406,
0.2152


 124.2729, 0.3276,
0.2727

 5.7276, 0.3443,
0.1963

156.6277, 0.3267,
0.2765

 2.6801, 0.3488,
0.1702

194.1609, 0.3258,
0.2798

 0.9671, 0.3537,
0.1327

237.2568, 0.3251,


 0.0000, 0.3863,

0.2828


0.0000

286.2999, 0.3244,
0.2854

 0.0000, 0.0000,
0.0000


 38.9492, 0.3331,
0.2497


 38.9492, 0.3331,
0.2497

 32.9124, 0.3399,
0.2306


 46.3447, 0.3269,
0.2701


 28.1447, 0.3472,
0.2138

 55.1707, 0.3213,
0.2908


 24.5539, 0.3548,
0.2002


 65.5004, 0.3165,
0.3113

 22.0332, 0.3625,
0.1908


 77.4001, 0.3123,
0.3311

 20.4563, 0.3699,
0.1860


 90.9326, 0.3087,
0.3497


 19.6282, 0.3770,
0.1854

 93.7007, 0.3061,
0.3491

 19.5566, 0.3778,
0.1855

 93.9572, 0.3037,
0.3446

 94.2199, 0.3012,
0.3401

 94.4889, 0.2988,
0.3356

Harmonies

Analogous

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



38.9492, 0.2626, 0.2237



38.9492, 0.3331, 0.2497



38.9492, 0.4053, 0.2922

Triad

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



38.9492, 0.3331, 0.2497



38.9492, 0.4139, 0.4443



38.9492, 0.1916, 0.2888

Complementary

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



38.9492, 0.3331, 0.2497



62.1677, 0.2976, 0.4243

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.



38.9492, 0.2234, 0.3622



38.9492, 0.3331, 0.2497



38.9492, 0.3507, 0.4630

Square

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



38.9492, 0.3331, 0.2497



38.9492, 0.4525, 0.3982



38.9492, 0.2809, 0.4331



38.9492, 0.1884, 0.2396

Rectangle

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



38.9492, 0.3331, 0.2497



38.9492, 0.4402, 0.3262



38.9492, 0.2809, 0.4331



38.9492, 0.1990, 0.3113

Sweetspot

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



38.9510, 0.3331, 0.2497



81.6307, 0.3179, 0.3049



30.5551, 0.2535, 0.2142



17.0833, 0.3186, 0.3022



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.



38.9510, 0.3331, 0.2497



44.4440, 0.3388, 0.2336



37.0979, 0.3783, 0.2965



13.8877, 0.3167, 0.3103



11.1735, 0.3767, 0.1849



0.7863, 0.3665, 0.1793

Inverse Universe

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



38.9510, 0.3331, 0.2497



44.4440, 0.3388, 0.2336



63.8831, 0.2735, 0.3649



13.8877, 0.3167, 0.3103



11.1735, 0.3767, 0.1849



0.7863, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 38.9492, 0.3331, 0.2497 looks on a white background.

Color Contrast Check

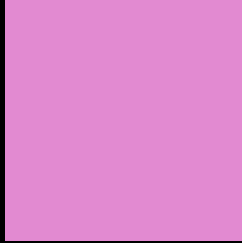
Large Text (above 18pt) WCAG AA × Fail

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 38.9492, 0.3331, 0.2497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

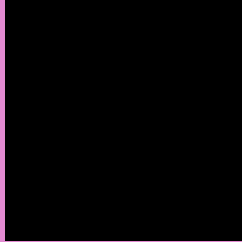
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9492, 0.3331, 0.2497

Background



This preview shows how black text looks on a background with the Yxy color 38.9492, 0.3331, 0.2497.



This preview shows how white text looks on a background with the Yxy color 38.9492, 0.3331, 0.2497.

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

38.9492, 0.3331, 0.2497

Protanopia

39.4136, 0.2532, 0.2473

Deuteranopia

39.0175, 0.2820, 0.2758



Tritanopia

38.8987, 0.3765, 0.3159

Trichromacy



Original Color

38.9492, 0.3331, 0.2497



Protanomaly

38.5158, 0.2781, 0.2466



Deuteranomaly

38.5903, 0.2992, 0.2648



Tritanomaly

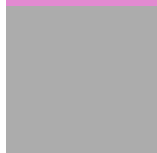
38.6504, 0.3606, 0.2902

Monochromacy



Original Color

38.9492, 0.3331, 0.2497



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.8509, 0.3208, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9492, 0.3331, 0.2497 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(226, 138, 209)` looks like.

```
.text, #text, p{  
    color:rgb(226, 138, 209)  
}
```

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(226, 138, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 138, 209) }
```

Border

The CSS property to change the border of an element to Yxy 38.9492, 0.3331, 0.2497 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(226, 138, 209) }
```

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

```
.border{ border-color:rgb(226, 138, 209) }
```

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

Here you see how a box with a 4 pixel rgb(226, 138, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 138, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 138, 209);  
box-shadow:4px 4px 4px 4px rgb(226, 138,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9492, 0.3331, 0.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 138, 209) }
```

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

```
.background{ background-color: rgb(226,  
138, 209) }
```

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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