

Converting Colors

$Y_{xy}(38.7150, 0.3613, 0.2815)$

Have a look what the booklet for
Yxy(38.7150, 0.3613, 0.2815)
contains.

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Color

Yxy(38.7580, 0.3610, 0.2818)

Conversions

Conversions Part 1

Format	Color
Hex	E38DB6
RGB	227, 141, 182
RGB Percent	89%, 55%, 71%
CMY	0.1098, 0.4471, 0.2862
CMYK	0.00, 0.38, 0.20, 0.11
HSL	331°, 61%, 72%
HSV	331°, 38%, 89%
XYZ	49.6510, 38.7580, 49.1283
YIQ	171.3880, 38.0950, 30.9830

Conversions

Conversions Part 2

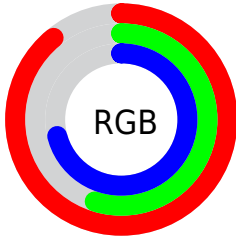
Format	Color
R _Y B	227, 141, 182
Decimal	14912950
CIE Lab	68.58, 38.14, -7.58
CIE LCh	69, 38.882, 348.761
Yxy	38.7580, 0.3610, 0.2818
Android (android.graphics.Color)	4293103030 (0xFFE38DB6)
YUV	171.3880, 5.2317, 48.7717
Hunter-Lab	62.2559, 33.4112, -3.2086

Details

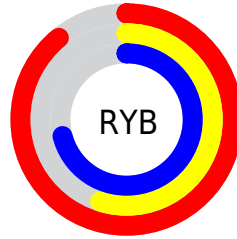
The Yxy color **38.7580, 0.3610, 0.2818** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.1524, 0.2820, 0.3823**, and the grayscale version is **40.8899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9129, 0.3278, 0.2871**, and **17.2758, 0.3755, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **32.2671, 0.3799, 0.2696**, and if you desaturate by 10%, it is **46.6661, 0.3449, 0.2946**.

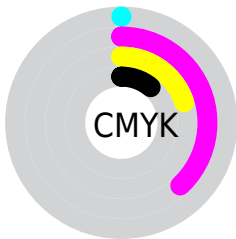
Distribution



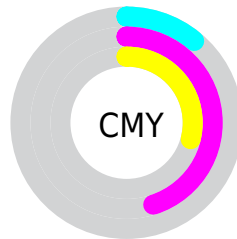
- Red (89%)
- Green (55%)
- Blue (71%)



- Red (89%)
- Yellow (55%)
- Blue (71%)



- Cyan (0%)
- Magenta (38%)
- Yellow (20%)
- Black (11%)





- Cyan (11%)
- Magenta (45%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7580, 0.3610, 0.2818 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 38.7580, 0.3610, 0.2818 by changing the saturation by 10% instead.


 38.7580, 0.3610,
0.2818


 38.7580, 0.3610,
0.2818


340.8605, 0.3366,
0.3053

 26.5715, 0.3672,
0.2760


 73.2685, 0.3520,
0.2903

 17.2517, 0.3752,
0.2685


 96.3613, 0.3487,
0.2935

 10.4141, 0.3859,
0.2587


 123.8583, 0.3459,
0.2962

 5.6744, 0.4010,
0.2451

156.1439, 0.3435,
0.2985

 2.6481, 0.4239,
0.2251

193.6026, 0.3414,
0.3006

 0.9509, 0.4620,
0.1932

236.6186, 0.3396,

 0.0000, 0.6856,

0.3023

0.0000

285.5765, 0.3380,
0.3039

0.0000, 0.0000,
0.0000

38.7580, 0.3610,
0.2818

38.7580, 0.3610,
0.2818

32.2671, 0.3799,
0.2696

46.6661, 0.3449,
0.2946

27.1026, 0.4017,
0.2591

56.0642, 0.3314,
0.3074

23.1715, 0.4260,
0.2513

67.0265, 0.3202,
0.3197

20.3662, 0.4519,
0.2476

79.6208, 0.3109,
0.3314

18.5605, 0.4782,
0.2491

93.9107, 0.3033,
0.3422

■ 17.5794, 0.5034,
0.2558

■ 94.9619, 0.2967,
0.3307

■ 17.4211, 0.5087,
0.2576

■ 95.0729, 0.2958,
0.3290

Harmonies

Analogous

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



38.7580, 0.3019, 0.2520



38.7580, 0.3610, 0.2818



38.7580, 0.4091, 0.3225

Triad

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



38.7580, 0.3610, 0.2818



38.7580, 0.3704, 0.4328



38.7580, 0.2094, 0.2742

Complementary

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



38.7580, 0.3610, 0.2818



64.1524, 0.2820, 0.3823

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.



38.7580, 0.2239, 0.3242



38.7580, 0.3610, 0.2818



38.7580, 0.3148, 0.4257

Square

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



38.7580, 0.3610, 0.2818



38.7580, 0.4127, 0.4082



38.7580, 0.2614, 0.3831



38.7580, 0.2188, 0.2452

Rectangle

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



38.7580, 0.3610, 0.2818



38.7580, 0.4257, 0.3524



38.7580, 0.2614, 0.3831



38.7580, 0.2115, 0.2888

Sweetspot

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



38.7598, 0.3610, 0.2818



82.4815, 0.3235, 0.3159



34.9645, 0.2796, 0.2247



17.2308, 0.3250, 0.3142



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.



38.7598, 0.3610, 0.2818



44.0282, 0.3747, 0.2727



37.7303, 0.4055, 0.3310



14.4819, 0.3218, 0.3178



10.1821, 0.5052, 0.2557



0.7711, 0.4712, 0.2369

Inverse Universe

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



38.7598, 0.3610, 0.2818



44.0282, 0.3747, 0.2727



65.3732, 0.2598, 0.3271



14.4819, 0.3218, 0.3178



10.1821, 0.5052, 0.2557



0.7711, 0.4712, 0.2369

Previews

White Background



This preview shows how the Yxy color 38.7580, 0.3610, 0.2818 looks on a white background.

Color Contrast Check

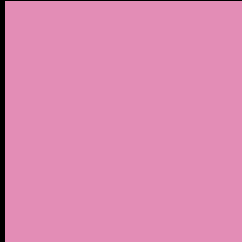
Large Text (above 18pt) WCAG AA × Fail

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 38.7580, 0.3610, 0.2818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

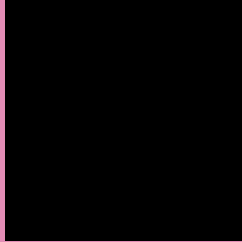
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7580, 0.3610, 0.2818

Background



This preview shows how black text looks on a background with the Yxy color 38.7580, 0.3610, 0.2818.



This preview shows how white text looks on a background with the Yxy color 38.7580, 0.3610, 0.2818.

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

38.7580, 0.3610, 0.2818

Protanopia

38.9267, 0.2825, 0.2855

Deuteranopia

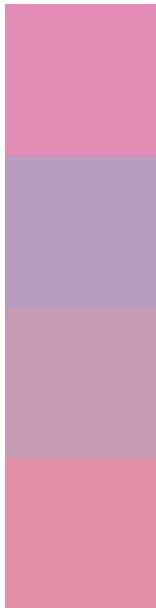
38.9924, 0.3146, 0.3088



Tritanopia

38.8394, 0.3834, 0.3161

Trichromacy



Original Color

38.7580, 0.3610, 0.2818

Protanomaly

38.2340, 0.3083, 0.2835

Deuteranomaly

38.4331, 0.3307, 0.2982

Tritanomaly

38.7072, 0.3753, 0.3033

Monochromacy



Original Color

38.7580, 0.3610, 0.2818

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.3131, 0.3290, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7580, 0.3610, 0.2818 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(227, 141, 182)` looks like.

```
.text, #text, p{  
    color:rgb(227, 141, 182)  
}
```

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(227, 141, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 141, 182) }
```

Border

The CSS property to change the border of an element to Yxy 38.7580, 0.3610, 0.2818 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(227, 141, 182) }
```

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

```
.border{ border-color:rgb(227, 141, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 141, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 141, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 141, 182); box-shadow:4px 4px 4px 4px rgb(227, 141, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7580, 0.3610, 0.2818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 141, 182) }
```

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

```
.background{ background-color: rgb(227,  
141, 182) }
```

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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