

Converting Colors

$Y_{xy}(40.1956, 0.3659, 0.2782)$

Have a look what the booklet for
Yxy(40.1956, 0.3659, 0.2782)
contains.

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Color

Yxy(40.1342, 0.3659, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	EC8CBA
RGB	236, 140, 186
RGB Percent	93%, 55%, 73%
CMY	0.0746, 0.4509, 0.2706
CMYK	0.00, 0.41, 0.21, 0.07
HSL	331°, 72%, 74%
HSV	331°, 41%, 93%
XYZ	52.8241, 40.1342, 51.4093
YIQ	173.9480, 42.4500, 34.6580

Conversions

Conversions Part 2

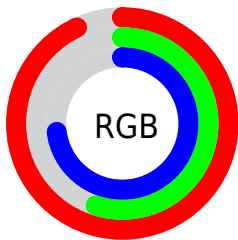
Format	Color
R _Y B	236, 140, 186
Decimal	15502522
CIE Lab	69.57, 42.27, -8.21
CIE LCh	70, 43.063, 349.008
Yxy	40.1342, 0.3659, 0.2780
Android (android.graphics.Color)	4293692602 (0xFFEC8CBA)
YUV	173.9480, 5.9416, 54.4196
Hunter-Lab	63.3516, 37.9725, -3.7673

Details

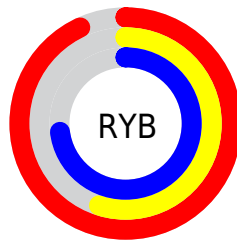
The Yxy color **40.1342, 0.3659, 0.2780** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **69.2688, 0.2802, 0.3874**, and the grayscale version is **42.2538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7010, 0.3249, 0.2823**, and **17.9748, 0.3809, 0.2633** is the 20% darker color. If you saturate the color by 10%, you get **33.4617, 0.3856, 0.2661**, and if you desaturate by 10%, it is **48.3340, 0.3490, 0.2908**.

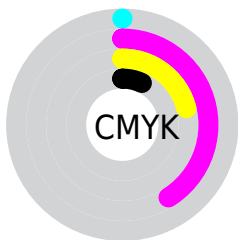
Distribution



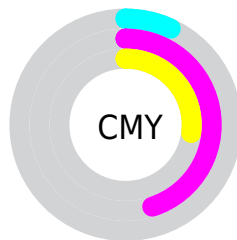
- Red (93%)
- Green (55%)
- Blue (73%)



- Red (93%)
- Yellow (55%)
- Blue (73%)



- Cyan (0%)
- Magenta (41%)
- Yellow (21%)
- Black (7%)



- Cyan (7%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1342, 0.3659, 0.2780 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 40.1342, 0.3659, 0.2780 by changing the saturation by 10% instead.


 40.1342, 0.3659,
0.2780


 40.1342, 0.3659,
0.2780


346.6889, 0.3392,
0.3032

 27.6432, 0.3726,
0.2718


 75.3678, 0.3562,
0.2871

 18.0569, 0.3812,
0.2640


 98.8792, 0.3525,
0.2905

 10.9908, 0.3927,
0.2537


 126.8329, 0.3494,
0.2934

 6.0607, 0.4088,
0.2396

159.6132, 0.3468,
0.2959

 2.8820, 0.4327,
0.2193

197.6046, 0.3445,
0.2981

 1.0704, 0.4719,
0.1874

241.1914, 0.3425,

 0.0000, 0.6560,

0.3000

0.0000

290.7580, 0.3407,
0.3017

0.0000, 0.0000,
0.0000

40.1342, 0.3659,
0.2780

40.1342, 0.3659,
0.2780

33.4617, 0.3856,
0.2661

48.3340, 0.3490,
0.2908

28.2143, 0.4081,
0.2562

58.1435, 0.3348,
0.3037

24.2863, 0.4329,
0.2494

69.6458, 0.3230,
0.3163

21.5543, 0.4590,
0.2470

82.9166, 0.3133,
0.3282

19.8715, 0.4850,
0.2501

96.0909, 0.3053,
0.3364

■ 19.0207, 0.5082,
0.2573

■ 96.5675, 0.3011,
0.3290

Harmonies

Analogous

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



40.1342, 0.3012, 0.2459



40.1342, 0.3659, 0.2780



40.1342, 0.4187, 0.3217

Triad

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



40.1342, 0.3659, 0.2780



40.1342, 0.3745, 0.4426



40.1342, 0.2008, 0.2683

Complementary

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



40.1342, 0.3659, 0.2780



69.2688, 0.2802, 0.3874

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.



40.1342, 0.2159, 0.3227



40.1342, 0.3659, 0.2780



40.1342, 0.3139, 0.4355

Square

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



40.1342, 0.3659, 0.2780



40.1342, 0.4212, 0.4148



40.1342, 0.2560, 0.3881



40.1342, 0.2112, 0.2377

Rectangle

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



40.1342, 0.3659, 0.2780



40.1342, 0.4365, 0.3539



40.1342, 0.2560, 0.3881



40.1342, 0.2030, 0.2840

Sweetspot

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



40.1361, 0.3659, 0.2780



81.0220, 0.3246, 0.3146



35.7136, 0.2764, 0.2162



16.9398, 0.3260, 0.3130



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.



40.1361, 0.3659, 0.2780



40.9522, 0.3826, 0.2678



38.9566, 0.4159, 0.3311



15.1743, 0.3218, 0.3178



10.5135, 0.5045, 0.2553



0.8449, 0.4724, 0.2376

Inverse Universe

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



40.1361, 0.3659, 0.2780



40.9522, 0.3826, 0.2678



70.6885, 0.2566, 0.3269



15.1743, 0.3218, 0.3178



10.5135, 0.5045, 0.2553



0.8449, 0.4724, 0.2376

Previews

White Background



This preview shows how the Yxy color 40.1342, 0.3659, 0.2780 looks on a white background.

Color Contrast Check

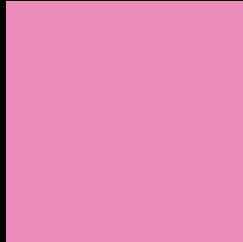
Large Text (above 18pt) WCAG AA × Fail

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 40.1342, 0.3659, 0.2780 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 40.1342, 0.3659, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 40.1342, 0.3659, 0.2780.



This preview shows how white text looks on a background with the Yxy color 40.1342, 0.3659, 0.2780.

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

40.1342, 0.3659, 0.2780

Protanopia

40.5702, 0.2793, 0.2811

Deuteranopia

40.2327, 0.3138, 0.3065



Tritanopia

40.2817, 0.3935, 0.3178

Trichromacy



Original Color

40.1342, 0.3659, 0.2780



Protanomaly

39.4781, 0.3077, 0.2783



Deuteranomaly

39.7524, 0.3326, 0.2952



Tritanomaly

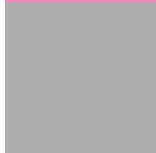
40.2290, 0.3833, 0.3030

Monochromacy



Original Color

40.1342, 0.3659, 0.2780



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.9253, 0.3317, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1342, 0.3659, 0.2780 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(236, 140, 186)` looks like.

```
.text, #text, p{  
    color:rgb(236, 140, 186)  
}
```

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(236, 140, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 140, 186) }
```

Border

The CSS property to change the border of an element to Yxy 40.1342, 0.3659, 0.2780 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(236, 140, 186) }
```

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

```
.border{ border-color:rgb(236, 140, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 140, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 140, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 140, 186); box-shadow:4px 4px 4px 4px rgb(236, 140, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1342, 0.3659, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 140, 186) }
```

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

```
.background{ background-color: rgb(236,  
140, 186) }
```

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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