

Converting Colors

$Y_{xy}(34.3161, 0.3909, 0.2744)$

Have a look what the booklet for
Yxy(34.3161, 0.3909, 0.2744)
contains.

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Color

Yxy(34.3397, 0.3902, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	ED78AA
RGB	237, 120, 170
RGB Percent	93%, 47%, 67%
CMY	0.0705, 0.5294, 0.3333
CMYK	0.00, 0.49, 0.28, 0.07
HSL	334°, 76%, 70%
HSV	334°, 49%, 93%
XYZ	48.9027, 34.3397, 42.0849
YIQ	160.6830, 53.6820, 40.3540

Conversions

Conversions Part 2

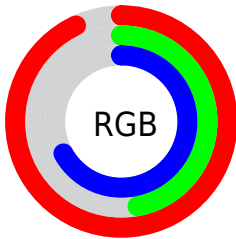
Format	Color
R _Y B	237, 120, 170
Decimal	15562922
CIE Lab	65.23, 50.52, -5.63
CIE LCh	65, 50.831, 353.638
Yxy	34.3397, 0.3902, 0.2740
Android (android.graphics.Color)	4293753002 (0xFFED78AA)
YUV	160.6830, 4.5933, 66.9300
Hunter-Lab	58.6001, 46.4111, -1.5603

Details

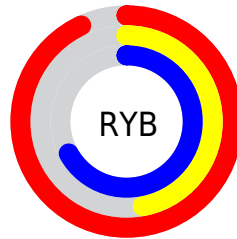
The Yxy color **34.3397, 0.3902, 0.2740** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **68.1605, 0.2719, 0.3943**, and the grayscale version is **35.4457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3562, 0.3404, 0.2783**, and **14.6694, 0.4138, 0.2575** is the 20% darker color. If you saturate the color by 10%, you get **28.8417, 0.4150, 0.2650**, and if you desaturate by 10%, it is **41.3048, 0.3686, 0.2848**.

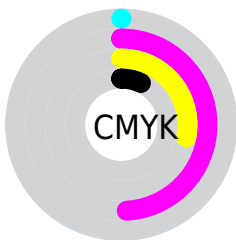
Distribution



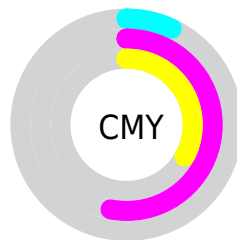
- Red (93%)
- Green (47%)
- Blue (67%)



- Red (93%)
- Yellow (47%)
- Blue (67%)



- Cyan (0%)
- Magenta (49%)
- Yellow (28%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3397, 0.3902, 0.2740 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 34.3397, 0.3902, 0.2740 by changing the saturation by 10% instead.


 34.3397, 0.3902,
0.2740


 34.3397, 0.3902,
0.2740


321.6441, 0.3501,
0.3020


 23.1547, 0.4006,
0.2669


 66.4616, 0.3753,
0.2843

 14.7078, 0.4143,
0.2577


 88.1672, 0.3698,
0.2881

 8.6145, 0.4328,
0.2455


 114.1486, 0.3652,
0.2913

 4.4906, 0.4594,
0.2282

144.7900, 0.3613,
0.2941

 1.9516, 0.5005,
0.2024

180.4758, 0.3579,
0.2964

 0.5791, 0.5758,
0.1531

221.5905, 0.3549,

 0.0000, 1.0000,

0.2985

0.0000

268.5185, 0.3524,
0.3003

■ 0.0000, 0.0000,
0.0000

■ 34.3397, 0.3902,
0.2740

■ 34.3397, 0.3902,
0.2740

■ 28.8417, 0.4150,
0.2650

■ 41.3048, 0.3686,
0.2848

■ 24.6981, 0.4427,
0.2589

■ 49.8286, 0.3503,
0.2963

■ 21.7878, 0.4720,
0.2570


■ 60.0013, 0.3351,
0.3079


■ 19.9656, 0.5012,
0.2605

■ 71.9046, 0.3225,
0.3191

■ 19.0024, 0.5286,
0.2689

■ 85.6146, 0.3121,
0.3296

 18.9535, 0.5303,
0.2695

 96.5208, 0.3037,
0.3325

 96.7480, 0.3017,
0.3290

Harmonies

Analogous

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



34.3397, 0.3096, 0.2337



34.3397, 0.3902, 0.2740



34.3397, 0.4515, 0.3266

Triad

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



34.3397, 0.3902, 0.2740



34.3397, 0.3749, 0.4722



34.3397, 0.1780, 0.2454

Complementary

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



34.3397, 0.3902, 0.2740



68.1605, 0.2719, 0.3943

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.



34.3397, 0.1902, 0.3071



34.3397, 0.3902, 0.2740



34.3397, 0.3001, 0.4585

Square

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



34.3397, 0.3902, 0.2740



34.3397, 0.4370, 0.4383



34.3397, 0.2328, 0.3909



34.3397, 0.1948, 0.2151

Rectangle

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



34.3397, 0.3902, 0.2740



34.3397, 0.4679, 0.3648



34.3397, 0.2328, 0.3909



34.3397, 0.1788, 0.2624

Sweetspot

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



34.3414, 0.3902, 0.2740



76.6457, 0.3293, 0.3128



30.0241, 0.2712, 0.1924



15.7853, 0.3321, 0.3104



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.



34.3414, 0.3902, 0.2740



34.1307, 0.4147, 0.2651



34.7482, 0.4476, 0.3380



15.1609, 0.3226, 0.3190



10.3710, 0.5262, 0.2672



0.8333, 0.4909, 0.2478

Inverse Universe

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



34.3414, 0.3902, 0.2740



34.1307, 0.4147, 0.2651



66.2675, 0.2462, 0.3192



15.1609, 0.3226, 0.3190



10.3710, 0.5262, 0.2672



0.8333, 0.4909, 0.2478

Previews

White Background



This preview shows how the Yxy color 34.3397, 0.3902, 0.2740 looks on a white background.

Color Contrast Check

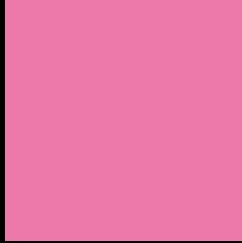
Large Text (above 18pt) WCAG AA × Fail

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 34.3397, 0.3902, 0.2740 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 34.3397, 0.3902, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 34.3397, 0.3902, 0.2740.



This preview shows how white text looks on a background with the Yxy color 34.3397, 0.3902, 0.2740.

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

34.3397, 0.3902, 0.2740

Protanopia

34.5883, 0.2764, 0.2766

Deuteranopia

34.5622, 0.3213, 0.3149



Tritanopia

34.4487, 0.4259, 0.3192

Trichromacy



Original Color

34.3397, 0.3902, 0.2740

Protanomaly

33.3944, 0.3123, 0.2743

Deuteranomaly

33.8349, 0.3459, 0.2976

Tritanomaly

34.2156, 0.4136, 0.3023

Monochromacy



Original Color

34.3397, 0.3902, 0.2740

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.0569, 0.3398, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3397, 0.3902, 0.2740 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(237, 120, 170)` looks like.

```
.text, #text, p{  
    color:rgb(237, 120, 170)  
}
```

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(237, 120, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 120, 170) }
```

Border

The CSS property to change the border of an element to Yxy 34.3397, 0.3902, 0.2740 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(237, 120, 170) }
```

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

```
.border{ border-color:rgb(237, 120, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 120, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 120, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 120, 170);  
box-shadow:4px 4px 4px 4px rgb(237, 120,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3397, 0.3902, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 120, 170) }
```

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

```
.background{ background-color: rgb(237,  
120, 170) }
```

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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