

Converting Colors

$Y_{xy}(37.9133, 0.3544, 0.2631)$

Have a look what the booklet for
Yxy(37.9133, 0.3544, 0.2631)
contains.

Yxy(37.8894, 0.3547, 0.2630)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8894, 0.3547, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	E786C1
RGB	231, 134, 193
RGB Percent	91%, 53%, 76%
CMY	0.0942, 0.4744, 0.2431
CMYK	0.00, 0.42, 0.16, 0.09
HSL	323°, 67%, 72%
HSV	323°, 42%, 91%
XYZ	51.1003, 37.8894, 55.0765
YIQ	169.7290, 38.8730, 38.9130

Conversions

Conversions Part 2

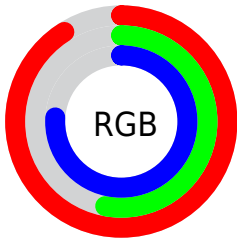
Format	Color
R_{YB}	231, 134, 193
Decimal	15173313
CIE _{Lab}	67.94, 44.76, -14.63
CIE _{LCh}	68, 47.091, 341.897
Yxy	37.8894, 0.3547, 0.2630
Android (android.graphics.Color)	4293363393 (0xFFE786C1)
YUV	169.7290, 11.4726, 53.7347
Hunter-Lab	61.5544, 40.4643, -9.9624

Details

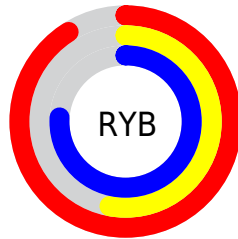
The Yxy color **37.8894, 0.3547, 0.2630** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.1860, 0.2862, 0.4068**, and the grayscale version is **39.9860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4947, 0.3201, 0.2698**, and **16.7476, 0.3677, 0.2458** is the 20% darker color. If you saturate the color by 10%, you get **31.7960, 0.3692, 0.2483**, and if you desaturate by 10%, it is **45.4054, 0.3420, 0.2788**.

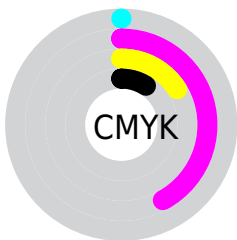
Distribution



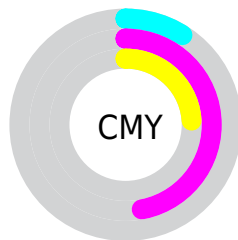
- Red (91%)
- Green (53%)
- Blue (76%)



- Red (91%)
- Yellow (53%)
- Blue (76%)



- Cyan (0%)
- Magenta (42%)
- Yellow (16%)
- Black (9%)





- Cyan (9%)
- Magenta (47%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8894, 0.3547, 0.2630 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 37.8894, 0.3547, 0.2630 by changing the saturation by 10% instead.


 37.8894, 0.3547,
0.2630


 37.8894, 0.3547,
0.2630


337.1453, 0.3339,
0.2952


 25.8969, 0.3598,
0.2552


 71.9386, 0.3472,
0.2745

 16.7465, 0.3663,
0.2454


 94.7640, 0.3444,
0.2789

 10.0539, 0.3749,
0.2326


 121.9692, 0.3420,
0.2826

 5.4347, 0.3866,
0.2153

153.9385, 0.3399,
0.2859

 2.5045, 0.4037,
0.1907

191.0564, 0.3381,
0.2887

 0.8789, 0.4305,
0.1537


233.7073, 0.3366,


 0.0000, 0.5308,


0.2911


0.0000

282.2754, 0.3352,
0.2933


 0.0000, 0.0000,
0.0000


 37.8894, 0.3547,
0.2630


 37.8894, 0.3547,
0.2630


 31.7960, 0.3692,
0.2483


 45.4054, 0.3420,
0.2788


 27.0275, 0.3853,
0.2359


 54.4223, 0.3311,
0.2950


 23.4827, 0.4027,
0.2268


 65.0194, 0.3219,
0.3109

 21.0431, 0.4208,
0.2223

 77.2685, 0.3141,
0.3261

 19.5661, 0.4388,
0.2230

 91.2372, 0.3076,
0.3404

 18.8938, 0.4529,
0.2269

 95.2373, 0.3024,
0.3367

 95.7248, 0.2981,
0.3290

Harmonies

Analogous

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



37.8894, 0.2833, 0.2322



37.8894, 0.3547, 0.2630



37.8894, 0.4196, 0.3081

Triad

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



37.8894, 0.3547, 0.2630



37.8894, 0.3945, 0.4503



37.8894, 0.1911, 0.2729

Complementary

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



37.8894, 0.3547, 0.2630



65.1860, 0.2862, 0.4068

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.



37.8894, 0.2138, 0.3385



37.8894, 0.3547, 0.2630



37.8894, 0.3293, 0.4551

Square

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



37.8894, 0.3547, 0.2630



37.8894, 0.4407, 0.4116



37.8894, 0.2631, 0.4115



37.8894, 0.1960, 0.2335

Rectangle

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



37.8894, 0.3547, 0.2630



37.8894, 0.4458, 0.3425



37.8894, 0.2631, 0.4115



37.8894, 0.1955, 0.2923

Sweetspot

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



37.8912, 0.3547, 0.2630



79.8348, 0.3228, 0.3092



31.5028, 0.2637, 0.2088



16.4310, 0.3247, 0.3057



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.



37.8912, 0.3547, 0.2630



40.9795, 0.3666, 0.2507



36.0951, 0.4084, 0.3162



14.5146, 0.3198, 0.3148



10.6198, 0.4502, 0.2254



0.8029, 0.4262, 0.2122

Inverse Universe

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



37.8912, 0.3547, 0.2630



40.9795, 0.3666, 0.2507



67.3574, 0.2611, 0.3429



14.5146, 0.3198, 0.3148



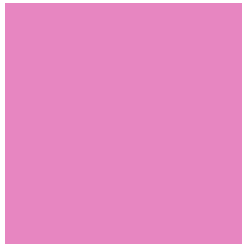
10.6198, 0.4502, 0.2254



0.8029, 0.4262, 0.2122

Previews

White Background



This preview shows how the Yxy color 37.8894, 0.3547, 0.2630 looks on a white background.

Color Contrast Check

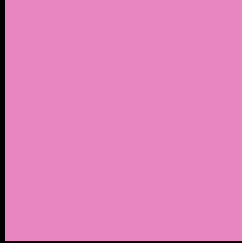
Large Text (above 18pt) WCAG AA × Fail

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 37.8894, 0.3547, 0.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

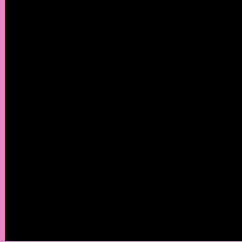
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8894, 0.3547, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 37.8894, 0.3547, 0.2630.



This preview shows how white text looks on a background with the Yxy color 37.8894, 0.3547, 0.2630.

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

37.8894, 0.3547, 0.2630

Protanopia

38.1783, 0.2646, 0.2621

Deuteranopia

38.2422, 0.2997, 0.2938



Tritanopia

37.9768, 0.3923, 0.3163

Trichromacy



Original Color

37.8894, 0.3547, 0.2630



Protanomaly

37.0625, 0.2929, 0.2610



Deuteranomaly

37.5116, 0.3179, 0.2805



Tritanomaly

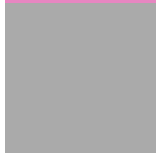
37.7864, 0.3777, 0.2955

Monochromacy



Original Color

37.8894, 0.3547, 0.2630



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.5348, 0.3275, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8894, 0.3547, 0.2630 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(231, 134, 193)` looks like.

```
.text, #text, p{  
    color:rgb(231, 134, 193)  
}
```

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(231, 134, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 134, 193) }
```

Border

The CSS property to change the border of an element to Yxy 37.8894, 0.3547, 0.2630 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(231, 134, 193) }
```

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

```
.border{ border-color:rgb(231, 134, 193) }
```

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

Here you see how a box with a 4 pixel rgb(231, 134, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 134, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 134, 193);  
box-shadow:4px 4px 4px 4px rgb(231, 134,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8894, 0.3547, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 134, 193) }
```

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

```
.background{ background-color: rgb(231,  
134, 193) }
```

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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