

Converting Colors

$Y_{xy}(37.3695, 0.3921, 0.3004)$

Have a look what the booklet for
Yxy(37.3695, 0.3921, 0.3004)
contains.

Yxy(37.5052, 0.3916, 0.3007)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5052, 0.3916, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	E988A1
RGB	233, 136, 161
RGB Percent	91%, 53%, 63%
CMY	0.0862, 0.4667, 0.3687
CMYK	0.00, 0.42, 0.31, 0.09
HSL	345°, 69%, 72%
HSV	345°, 42%, 91%
XYZ	48.8428, 37.5052, 38.3783
YIQ	167.8530, 49.7870, 28.3390

Conversions

Conversions Part 2

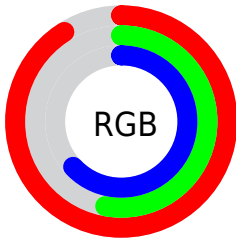
Format	Color
R _Y B	233, 136, 161
Decimal	15304865
CIE Lab	67.65, 39.91, 2.95
CIE LCh	68, 40.019, 4.234
Yxy	37.5052, 0.3916, 0.3007
Android (android.graphics.Color)	4293494945 (0xFFE988A1)
YUV	167.8530, -3.3785, 57.1339
Hunter-Lab	61.2415, 35.1891, 5.7137

Details

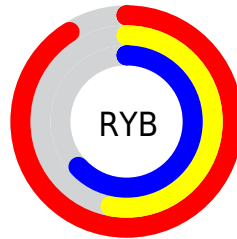
The Yxy color **37.5052, 0.3916, 0.3007** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.0724, 0.2683, 0.3603**, and the grayscale version is **39.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4795, 0.3455, 0.3035**, and **16.5804, 0.4155, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **31.0731, 0.4218, 0.2946**, and if you desaturate by 10%, it is **45.4519, 0.3663, 0.3076**.

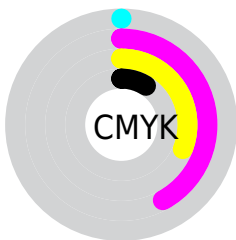
Distribution



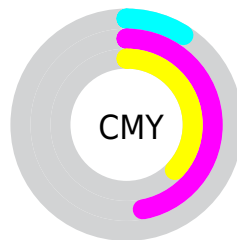
- Red (91%)
- Green (53%)
- Blue (63%)



- Red (91%)
- Yellow (53%)
- Blue (63%)



- Cyan (0%)
- Magenta (42%)
- Yellow (31%)
- Black (9%)





- Cyan (9%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5052, 0.3916, 0.3007 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 37.5052, 0.3916, 0.3007 by changing the saturation by 10% instead.

 37.5052, 0.3916,
0.3007


 37.5052, 0.3916,
0.3007


335.4926, 0.3507,
0.3157


 25.5989, 0.4023,
0.2967


 71.3491, 0.3764,
0.3063

 16.5238, 0.4163,
0.2914


 94.0555, 0.3708,
0.3084

 9.8956, 0.4353,
0.2841


 121.1307, 0.3661,
0.3101

 5.3298, 0.4627,
0.2734

152.9591, 0.3621,
0.3116

 2.4420, 0.5051,
0.2563

189.9251, 0.3586,
0.3128

 0.8474, 0.5814,
0.2269

232.4131, 0.3556,


 0.0000, 1.0000,


0.3139


0.0000


280.8074, 0.3530,
0.3149


 0.0000, 0.0000,
0.0000


 37.5052, 0.3916,
0.3007


 37.5052, 0.3916,
0.3007


 31.0731, 0.4218,
0.2946


 45.4519, 0.3663,
0.3076


 26.0533, 0.4566,
0.2901

 54.9959, 0.3454,
0.3147


 22.3394, 0.4948,
0.2884

 66.2205, 0.3285,
0.3215

 19.8074, 0.5337,
0.2905

 79.2015, 0.3147,
0.3280

 18.3090, 0.5693,
0.2969

 94.0101, 0.3035,
0.3340

■ 17.6516, 0.5941,
0.3046

■ 96.0651, 0.2993,
0.3290

Harmonies

Analogous

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



37.5052, 0.3331, 0.2634



37.5052, 0.3916, 0.3007



37.5052, 0.4278, 0.3459

Triad

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



37.5052, 0.3916, 0.3007



37.5052, 0.3433, 0.4383



37.5052, 0.2077, 0.2535

Complementary

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



37.5052, 0.3916, 0.3007



68.0724, 0.2683, 0.3603

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.



37.5052, 0.2098, 0.2946



37.5052, 0.3916, 0.3007



37.5052, 0.2848, 0.4109

Square

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



37.5052, 0.3916, 0.3007



37.5052, 0.3964, 0.4275



37.5052, 0.2366, 0.3539



37.5052, 0.2297, 0.2359

Rectangle

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



37.5052, 0.3916, 0.3007



37.5052, 0.4324, 0.3768



37.5052, 0.2366, 0.3539



37.5052, 0.2056, 0.2646

Sweetspot

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



37.5070, 0.3916, 0.3007



80.6288, 0.3291, 0.3212



36.7784, 0.2940, 0.2194



16.8476, 0.3312, 0.3203



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.



37.5070, 0.3916, 0.3007



39.1183, 0.4173, 0.2954



43.7745, 0.4088, 0.3552



15.1177, 0.3252, 0.3230



10.0321, 0.5902, 0.3025



0.8030, 0.5511, 0.2809

Inverse Universe

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



37.5070, 0.3916, 0.3007



39.1183, 0.4173, 0.2954



57.3962, 0.2513, 0.3004



15.1177, 0.3252, 0.3230



10.0321, 0.5902, 0.3025



0.8030, 0.5511, 0.2809

Previews

White Background



This preview shows how the Yxy color 37.5052, 0.3916, 0.3007 looks on a white background.

Color Contrast Check

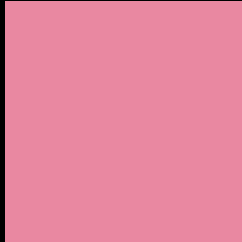
Large Text (above 18pt) WCAG AA × Fail

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 37.5052, 0.3916, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

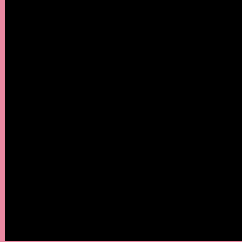
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5052, 0.3916, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 37.5052, 0.3916, 0.3007.



This preview shows how white text looks on a background with the Yxy color 37.5052, 0.3916, 0.3007.

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

37.5052, 0.3916, 0.3007

Protanopia

37.7246, 0.3026, 0.3108

Deuteranopia

37.7663, 0.3390, 0.3332



Tritanopia

37.4709, 0.4046, 0.3178

Trichromacy



Original Color

37.5052, 0.3916, 0.3007

Protanomaly

36.9986, 0.3326, 0.3065

Deuteranomaly

37.1584, 0.3583, 0.3201

Tritanomaly

37.3470, 0.3993, 0.3109

Monochromacy



Original Color

37.5052, 0.3916, 0.3007

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

37.7000, 0.3400, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5052, 0.3916, 0.3007 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(233, 136, 161)` looks like.

```
.text, #text, p{  
    color:rgb(233, 136, 161)  
}
```

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(233, 136, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 136, 161) }
```

Border

The CSS property to change the border of an element to Yxy 37.5052, 0.3916, 0.3007 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(233, 136, 161) }
```

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

```
.border{ border-color:rgb(233, 136, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 136, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 136, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 136, 161);  
box-shadow:4px 4px 4px 4px rgb(233, 136,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5052, 0.3916, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 136, 161) }
```

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

```
.background{ background-color: rgb(233,  
136, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor