

Converting Colors

XYZ(46.9451, 37.5186, 34.7295)

Have a look what the booklet for
XYZ(46.9451, 37.5186, 34.7295)
contains.

XYZ(46.8064, 37.3870, 34.8864)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.8064, 37.3870,
34.8864)**

Conversions

Conversions Part 1

Format	Color
Hex	E38C99
RGB	227, 140, 153
RGB Percent	89%, 55%, 60%
CMY	0.1098, 0.4510, 0.4000
CMYK	0.00, 0.38, 0.33, 0.11
HSL	351°, 61%, 72%
HSV	351°, 38%, 89%
XYZ	46.8064, 37.3870, 34.8864
YIQ	167.4950, 47.6790, 22.4870

Conversions

Conversions Part 2

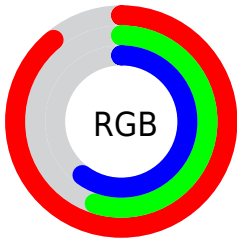
Format	Color
R_{YB}	227, 140, 153
Decimal	14912665
CIE _{Lab}	67.57, 34.64, 7.22
CIE _{LCh}	68, 35.389, 11.779
Yxy	37.3870, 0.3931, 0.3140
Android (android.graphics.Color)	4293102745 (0xFFE38C99)
YUV	167.4950, -7.1460, 52.1859
Hunter-Lab	61.1449, 29.6381, 8.9734

Details

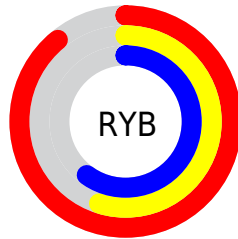
The XYZ color **46.8064, 37.3870, 34.8864** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.4236, 65.3695, 73.5819**, and the grayscale version is **36.9906, 38.9170, 42.3806**.

A 20% lighter version of the original color is **72.0176, 64.7952, 67.7425**, and **22.2502, 16.3738, 14.5581** is the 20% darker color. If you saturate the color by 10%, you get **42.3572, 30.8376, 26.1615**, and if you desaturate by 10%, it is **52.1999, 45.4116, 45.2001**.

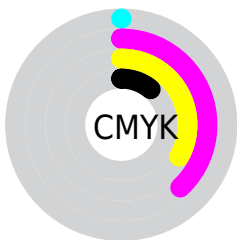
Distribution



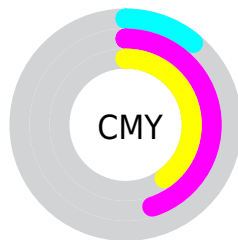
- Red (89%)
- Green (55%)
- Blue (60%)



- Red (89%)
- Yellow (55%)
- Blue (60%)



- Cyan (0%)
- Magenta (38%)
- Yellow (33%)
- Black (11%)





- Cyan (11%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8064, 37.3870, 34.8864 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 XYZ color 46.8064, 37.3870, 34.8864 by changing the saturation by 10% instead.


 46.8064, 37.3870,
34.8864


 46.8064, 37.3870,
34.8864


364.7031,
334.9830, 338.9556


 33.0899, 25.5073,
23.2925


 84.6451, 71.1676,
68.4593

 22.3549, 16.4554,
14.6023


 109.4980, 93.8372,
91.2754

 14.2360, 9.8470,
8.3973


 138.7938,
120.8723, 118.6694

 8.3678, 5.2976,
4.2588

172.8978,
152.6572, 151.0597

 4.3849, 2.4229,
1.7684

212.1753,
189.5764, 188.8650

 1.9221, 0.8376,
0.4070

256.9918,

 0.5897, 0.0000,

232.0141, 232.5037

0.0000

307.7126,
280.3548, 282.3944

■ 0.0000, 0.0000,
0.0000

■ 46.8064, 37.3870,
34.8864

■ 46.8064, 37.3870,
34.8864

■ 42.3572, 30.8376,
26.1615

■ 52.1999, 45.4116,
45.2001

■ 38.7945, 25.6682,
18.9437

■ 58.5849, 54.9880,
57.1743

■ 36.0588, 21.7811,
13.1476

■ 66.0093, 66.1940,
70.8787

■ 34.0818, 19.0633,
8.6778

■ 74.5166, 79.1009,
86.3786

■ 32.7843, 17.3823,
5.4272

■ 84.1482, 93.7753,
103.7358

■ 32.0561, 16.5480,
3.2668

■ 85.4886, 95.0709,
108.4525

■ 31.9660, 16.4459,
2.9960

Harmonies

Analogous

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



46.4413, 37.3870, 50.8261



46.8064, 37.3870, 34.8864



43.9320, 37.3870, 23.8147

Triad

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



46.8064, 37.3870, 34.8864



29.0036, 37.3870, 22.1862



32.3598, 37.3870, 76.3652

Complementary

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



46.8064, 37.3870, 34.8864



50.4236, 65.3695, 73.5819

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.



28.2829, 37.3870, 64.1428



46.8064, 37.3870, 34.8864



26.4860, 37.3870, 32.0307

Square

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



46.8064, 37.3870, 34.8864



33.4396, 37.3870, 17.8381



26.2364, 37.3870, 47.1439



37.7166, 37.3870, 77.6998

Rectangle

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



46.8064, 37.3870, 34.8864



40.7217, 37.3870, 19.5848



26.2364, 37.3870, 47.1439



30.8090, 37.3870, 73.2722

Sweetspot

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



46.8074, 37.3888, 34.8871



83.1390, 81.9483, 87.1407



50.9614, 38.5928, 77.4363



17.5066, 17.1043, 18.1201



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.8074, 37.3888, 34.8871



56.2205, 41.7250, 36.1986



50.8726, 47.1445, 31.2319



14.4643, 14.4029, 15.3793



18.6690, 9.6018, 1.8860



1.4070, 0.7205, 0.2837

Inverse Universe

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



46.8074, 37.3888, 34.8871



56.2205, 41.7250, 36.1986



44.5461, 50.8515, 80.1406



14.4643, 14.4029, 15.3793



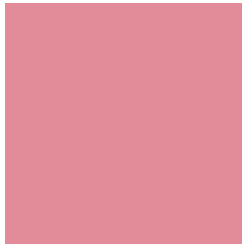
18.6690, 9.6018, 1.8860



1.4070, 0.7205, 0.2837

Previews

White Background



This preview shows how the XYZ color 46.8064, 37.3870, 34.8864 looks on a white background.

Color Contrast Check

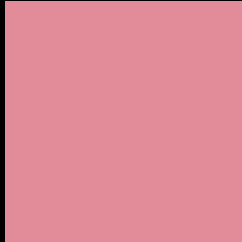
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.8064, 37.3870, 34.8864 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](#).

XYZ 46.8064, 37.3870, 34.8864

Background



This preview shows how black text looks on a background with the XYZ color 46.8064, 37.3870, 34.8864.



This preview shows how white text looks on a background with the XYZ color 46.8064, 37.3870, 34.8864.

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

46.8064, 37.3870, 34.8864

Protanopia

36.0947, 37.5196, 41.4160

Deuteranopia

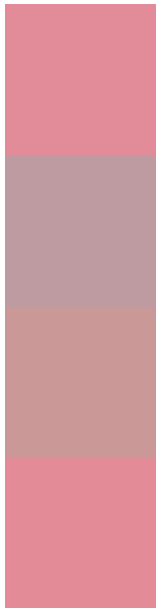
38.3967, 37.5631, 34.0808



Tritanopia

46.6426, 37.3214, 34.0236

Trichromacy



Original Color

46.8064, 37.3870, 34.8864

Protanomaly

39.1406, 36.8347, 38.7651

Deuteranomaly

41.1713, 37.2474, 34.2977

Tritanomaly

46.7241, 37.3541, 34.4532

Monochromacy



Original Color

46.8064, 37.3870, 34.8864

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.5648, 37.5414, 39.3433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8064, 37.3870, 34.8864 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, 140, 153)` looks like.

```
.text, #text, p{  
    color:rgb(227, 140, 153)  
}
```

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, 140, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 140, 153) }
```

Border

The CSS property to change the border of an element to XYZ 46.8064, 37.3870, 34.8864 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, 140, 153) }
```


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

```
.border{ border-color:rgb(227, 140, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 140, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 140, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 140, 153);  
box-shadow:4px 4px 4px 4px rgb(227, 140,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8064, 37.3870, 34.8864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 140, 153) }
```

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

```
.background{ background-color: rgb(227,  
140, 153) }
```

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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