

Converting Colors

XYZ(45.8488, 33.7584, 28.8939)

Have a look what the booklet for
XYZ(45.8488, 33.7584, 28.8939)
contains.

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Color

**XYZ(45.8730, 33.8012,
28.9175)**

Conversions

Conversions Part 1

Format	Color
Hex	EA7C8C
RGB	234, 124, 140
RGB Percent	92%, 49%, 55%
CMY	0.0824, 0.5137, 0.4510
CMYK	0.00, 0.47, 0.40, 0.08
HSL	351°, 72%, 70%
HSV	351°, 47%, 92%
XYZ	45.8730, 33.8012, 28.9175
YIQ	158.7140, 60.4240, 28.2960

Conversions

Conversions Part 2

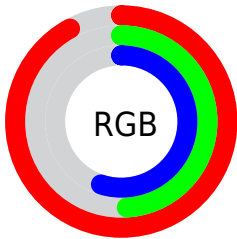
Format	Color
RYB	234, 124, 140
Decimal	15367308
CIELab	64.80, 43.91, 10.76
CIElCh	65, 45.206, 13.771
Yxy	33.8012, 0.4224, 0.3113
Android (android.graphics.Color)	4293557388 (0xFFEA7C8C)
YUV	158.7140, -9.2260, 66.0258
Hunter-Lab	58.1388, 39.0982, 11.2071

Details

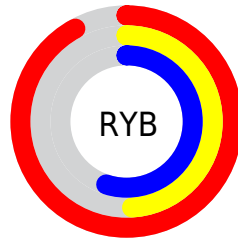
The XYZ color **45.8730, 33.8012, 28.9175** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.3916, 68.1935, 76.8404**, and the grayscale version is **32.8465, 34.5571, 37.6327**.

A 20% lighter version of the original color is **66.9857, 57.3505, 57.9913**, and **21.7779, 14.3586, 11.2965** is the 20% darker color. If you saturate the color by 10%, you get **41.9377, 28.0798, 20.9800**, and if you desaturate by 10%, it is **50.7738, 41.0246, 38.4994**.

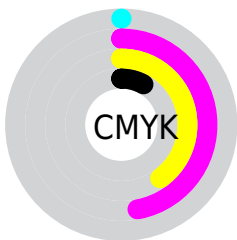
Distribution



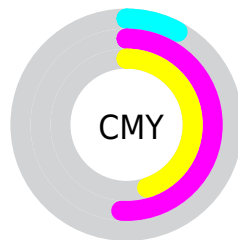
- Red (92%)
- Green (49%)
- Blue (55%)



- Red (92%)
- Yellow (49%)
- Blue (55%)



- Cyan (0%)
- Magenta (47%)
- Yellow (40%)
- Black (8%)





- Cyan (8%)
- Magenta (51%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8730, 33.8012, 28.9175 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 45.8730, 33.8012, 28.9175 by changing the saturation by 10% instead.


 45.8730, 33.8012,
28.9175


 45.8730, 33.8012,
28.9175


361.0223,
319.2447, 310.8742


 32.3498, 22.7409,
18.7734


 83.2579, 65.6244,
58.9866

 21.7857, 14.4023,
11.3315


 107.8504, 87.1561,
79.7487

 13.8152, 8.4010,
6.1733


 136.8633,
112.9471, 104.8871

 8.0731, 4.3526,
2.8802

170.6620,
143.3817, 134.8205

 4.1940, 1.8727,
1.0338

209.6120,
178.8444, 169.9674

 1.8124, 0.5319,
0.0000

254.0784,

 0.5251, 0.0000,

219.7195, 210.7463

0.0000

304.4267,
266.3915, 257.5757

■ 0.0000, 0.0000,
0.0000

■ 45.8730, 33.8012,
28.9175

■ 45.8730, 33.8012,
28.9175

■ 41.9377, 28.0798,
20.9800

■ 50.7738, 41.0246,
38.4994

■ 38.9006, 23.7494,
14.5920

■ 56.6959, 49.8404,
49.8097

■ 36.6902, 20.6921,
9.6513

■ 63.6941, 60.3379,
62.9287

■ 35.2222, 18.7681,
6.0427

■ 71.8183, 72.5984,
77.9313

■ 34.3910, 17.7978,
3.6315

■ 81.1154, 86.6976,
94.8878

■ 34.2208, 17.6081,
3.1104

■ 87.7417, 96.2324,
108.5580

Harmonies

Analogous

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



45.6971, 33.8012, 47.7521



45.8730, 33.8012, 28.9175



42.0334, 33.8012, 17.1669

Triad

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



45.8730, 33.8012, 28.9175



24.2270, 33.8012, 16.5214



28.7561, 33.8012, 83.0324

Complementary

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



45.8730, 33.8012, 28.9175



50.3916, 68.1935, 76.8404

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.



23.9139, 33.8012, 67.5669



45.8730, 33.8012, 28.9175



21.5506, 33.8012, 27.6715

Square

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



45.8730, 33.8012, 28.9175



29.2403, 33.8012, 11.8214



21.4443, 33.8012, 46.0074



35.1977, 33.8012, 83.7187

Rectangle

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



45.8730, 33.8012, 28.9175



37.9790, 33.8012, 13.1130



21.4443, 33.8012, 46.0074



26.9093, 33.8012, 79.2030

Sweetspot

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



45.8739, 33.8029, 28.9181



80.1711, 77.4882, 81.6020



50.8242, 35.1861, 81.9548



16.7221, 15.9262, 16.6542



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.



45.8739, 33.8029, 28.9181



51.2875, 34.5850, 26.1499



50.5796, 44.9666, 25.0846



15.1547, 15.0897, 16.1000



19.2579, 9.9059, 1.8935



1.5399, 0.7889, 0.2947

Inverse Universe

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



45.8739, 33.8029, 28.9181



51.2875, 34.5850, 26.1499



42.7923, 49.4818, 85.1375



15.1547, 15.0897, 16.1000



19.2579, 9.9059, 1.8935



1.5399, 0.7889, 0.2947

Previews

White Background



This preview shows how the XYZ color 45.8730, 33.8012, 28.9175 looks on a white background.

Color Contrast Check

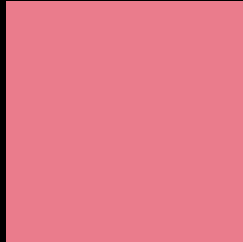
Large Text (above 18pt) WCAG AA × Fail

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 45.8730, 33.8012, 28.9175 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 45.8730, 33.8012, 28.9175

Background



This preview shows how black text looks on a background with the XYZ color 45.8730, 33.8012, 28.9175.



This preview shows how white text looks on a background with the XYZ color 45.8730, 33.8012,

28.9175.

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

45.8730, 33.8012, 28.9175

Protanopia

32.7257, 34.0561, 37.1964

Deuteranopia

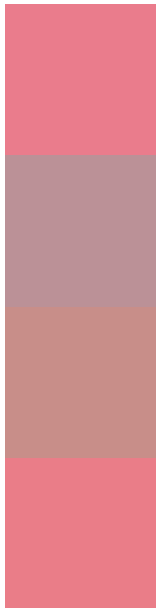
34.6575, 34.0295, 27.6634



Tritanopia

45.5684, 33.8809, 26.6922

Trichromacy



Original Color

45.8730, 33.8012, 28.9175

Protanomaly

36.2048, 33.0500, 33.7492

Deuteranomaly

38.0078, 33.4315, 28.1166

Tritanomaly

45.7092, 33.9372, 27.4340

Monochromacy



Original Color

45.8730, 33.8012, 28.9175

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.1961, 33.2639, 34.2186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8730, 33.8012, 28.9175 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(234, 124, 140)` looks like.

```
.text, #text, p{  
    color:rgb(234, 124, 140)  
}
```

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(234, 124, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 124, 140) }
```

Border

The CSS property to change the border of an element to XYZ 45.8730, 33.8012, 28.9175 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(234, 124, 140) }
```


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

```
.border{ border-color:rgb(234, 124, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 124, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 124, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 124, 140);  
box-shadow:4px 4px 4px 4px rgb(234, 124,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8730, 33.8012, 28.9175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 124, 140) }
```

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

```
.background{ background-color: rgb(234,  
124, 140) }
```

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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