

Converting Colors

XYZ(45.7745, 33.6951, 37.2290)

Have a look what the booklet for
XYZ(45.7745, 33.6951, 37.2290)
contains.

XYZ(45.9919, 33.8633, 37.3699)	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(45.9919, 33.8633,
37.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	E57DA0
RGB	229, 125, 160
RGB Percent	90%, 49%, 63%
CMY	0.1020, 0.5098, 0.3725
CMYK	0.00, 0.45, 0.30, 0.10
HSL	340°, 67%, 69%
HSV	340°, 45%, 90%
XYZ	45.9919, 33.8633, 37.3699
YIQ	160.0860, 50.7490, 32.9330

Conversions

Conversions Part 2

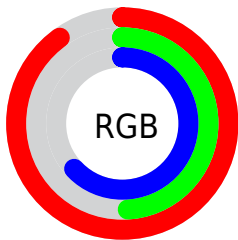
Format	Color
R _Y B	229, 125, 160
Decimal	15039904
CIE Lab	64.85, 44.03, -0.63
CIE LCh	65, 44.037, 359.186
Yxy	33.8633, 0.3923, 0.2889
Android (android.graphics.Color)	4293229984 (0xFFE57DA0)
YUV	160.0860, -0.0424, 60.4376
Hunter-Lab	58.1922, 39.2403, 2.6596

Details

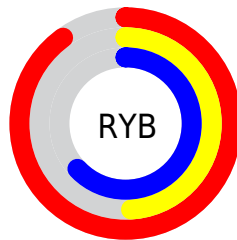
The XYZ color **45.9919, 33.8633, 37.3699** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **46.2160, 64.2946, 61.0166**, and the grayscale version is **33.4380, 35.1794, 38.3103**.

A 20% lighter version of the original color is **69.8270, 58.8088, 71.9609**, and **21.8723, 14.3968, 16.0941** is the 20% darker color. If you saturate the color by 10%, you get **42.1710, 28.2201, 29.9343**, and if you desaturate by 10%, it is **50.6454, 40.9113, 45.8852**.

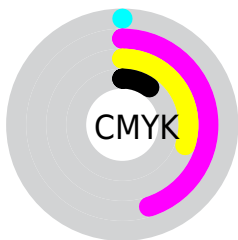
Distribution



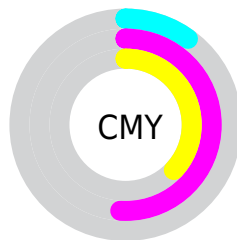
- Red (90%)
- Green (49%)
- Blue (63%)



- Red (90%)
- Yellow (49%)
- Blue (63%)



- Cyan (0%)
- Magenta (45%)
- Yellow (30%)
- Black (10%)





- Cyan (10%)
- Magenta (51%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9919, 33.8633, 37.3699 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 45.9919, 33.8633, 37.3699 by changing the saturation by 10% instead.


 45.9919, 33.8633,
37.3699


 45.9919, 33.8633,
37.3699


361.4926,
319.5221, 350.1260


 32.4440, 22.7886,
25.1960


 83.4348, 65.7210,
72.3340

 21.8581, 14.4375,
16.0028


 108.0606, 87.2729,
95.9613

 13.8687, 8.4256,
9.3717


 137.1096,
113.0858, 124.2434

 8.1105, 4.3684,
4.8843

170.9474,
143.5444, 157.5990

 4.2181, 1.8817,
2.1220

209.9393,
179.0329, 196.4464

 1.8263, 0.5374,
0.6288

254.4505,

 0.5334, 0.0000,

219.9358, 241.2044

0.0000

304.8465,
266.6373, 292.2914

■ 0.0000, 0.0000,
0.0000

■ 45.9919, 33.8633,
37.3699

■ 45.9919, 33.8633,
37.3699

■ 42.1710, 28.2201,
29.9343

■ 50.6454, 40.9113,
45.8852

■ 39.1274, 23.8811,
23.5303

■ 56.1764, 49.4455,
55.5215

■ 36.8034, 20.7406,
18.1084


■ 62.6297, 59.5470,
66.3200


■ 35.1313, 18.6736,
13.6135


■ 70.0462, 71.2897,
78.3194

■ 34.0287, 17.5268,
9.9833

■ 78.4643, 84.7425,
91.5563

 33.6549, 17.1947,
8.5773

 85.5118, 95.1535,
105.2628

 86.1232, 95.3981,
108.4822

Harmonies

Analogous

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



43.8428, 33.8633, 57.8231



45.9919, 33.8633, 37.3699



44.0561, 33.8633, 22.3219

Triad

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



45.9919, 33.8633, 37.3699



26.5954, 33.8633, 14.0052



26.3320, 33.8633, 75.7589

Complementary

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



45.9919, 33.8633, 37.3699



46.2160, 64.2946, 61.0166

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.



22.6661, 33.8633, 56.6706



45.9919, 33.8633, 37.3699



22.8035, 33.8633, 21.7124

Square

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



45.9919, 33.8633, 37.3699



32.3597, 33.8633, 11.8065



21.4629, 33.8633, 36.3773



32.0131, 33.8633, 84.0078

Rectangle

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



45.9919, 33.8633, 37.3699



40.8373, 33.8633, 16.2445



21.4629, 33.8633, 36.3773



24.8520, 33.8633, 70.1434

Sweetspot

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



45.9928, 33.8650, 37.3706



81.1180, 77.8670, 86.5879



43.3684, 31.6112, 77.9448



16.9504, 16.0175, 17.8562



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.



45.9928, 33.8650, 37.3706



54.3044, 36.7198, 39.1757



45.4821, 37.0725, 24.1627



14.5761, 14.4476, 15.9680



19.2924, 9.8512, 5.1688



1.4677, 0.7448, 0.6034

Inverse Universe

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



45.9928, 33.8650, 37.3706



54.3044, 36.7198, 39.1757



46.4966, 57.8082, 82.8365



14.5761, 14.4476, 15.9680



19.2924, 9.8512, 5.1688



1.4677, 0.7448, 0.6034

Previews

White Background



This preview shows how the XYZ color 45.9919, 33.8633, 37.3699 looks on a white background.

Color Contrast Check

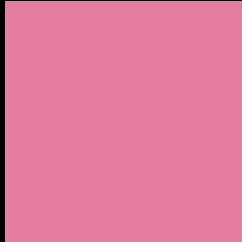
Large Text (above 18pt) WCAG AA × Fail

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 45.9919, 33.8633, 37.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

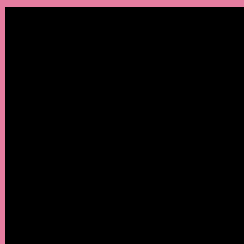
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9919, 33.8633, 37.3699

Background



This preview shows how black text looks on a background with the XYZ color 45.9919, 33.8633, 37.3699.



This preview shows how white text looks on a background with the XYZ color 45.9919, 33.8633,

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

45.9919, 33.8633, 37.3699

Protanopia

33.5201, 34.2386, 47.4898

Deuteranopia

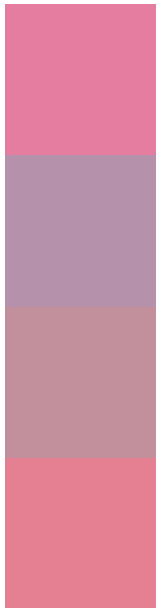
34.7632, 34.1477, 35.7693



Tritanopia

44.1163, 33.8664, 28.2564

Trichromacy



Original Color

45.9919, 33.8633, 37.3699

Protanomaly

36.6278, 33.0531, 43.4791

Deuteranomaly

38.1564, 33.5486, 36.3628

Tritanomaly

44.9024, 34.0076, 31.3916

Monochromacy



Original Color

45.9919, 33.8633, 37.3699

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.7865, 33.7198, 37.8274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9919, 33.8633, 37.3699 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(229, 125, 160)` looks like.

```
.text, #text, p{  
    color:rgb(229, 125, 160)  
}
```

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(229, 125, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 125, 160) }
```

Border

The CSS property to change the border of an element to XYZ 45.9919, 33.8633, 37.3699 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(229, 125, 160) }
```


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

```
.border{ border-color:rgb(229, 125, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 125, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 125, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 125, 160);  
box-shadow:4px 4px 4px 4px rgb(229, 125,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9919, 33.8633, 37.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 125, 160) }
```

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

```
.background{ background-color: rgb(229,  
125, 160) }
```

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