

# Converting Colors

XYZ(48.0130, 37.6386, 41.9447)

Have a look what the booklet for  
XYZ(48.0130, 37.6386, 41.9447)  
contains.

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# Color

**XYZ(47.9791, 37.6233,  
41.7790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E38BA8
RGB	227, 139, 168
RGB Percent	89%, 55%, 66%
CMY	0.1098, 0.4549, 0.3412
CMYK	0.00, 0.39, 0.26, 0.11
HSL	340°, 61%, 72%
HSV	340°, 39%, 89%
XYZ	47.9791, 37.6233, 41.7790
YIQ	168.6180, 43.1390, 27.6750

# Conversions

## Conversions Part 2

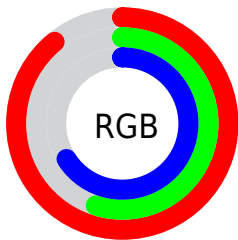
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">227, 139, 168</a>
Decimal	<a href="#">14912424</a>
CIELab	<a href="#">67.74, 37.16, -0.95</a>
CIElCh	<a href="#">68, 37.169, 358.536</a>
Yxy	<a href="#">37.6233, 0.3767, 0.2954</a>
Android (android.graphics.Color)	<a href="#">4293102504 (0xFFE38BA8)</a>
YUV	<a href="#">168.6180, -0.3047, 51.2010</a>
Hunter-Lab	<a href="#">61.3378, 32.2834, 2.5523</a>

# Details

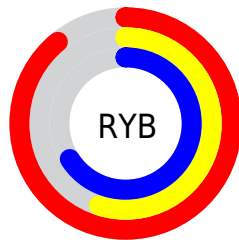
The XYZ color **47.9791, 37.6233, 41.7790** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **48.3114, 64.5054, 63.3340**, and the grayscale version is **37.5110, 39.4645, 42.9768**.

A 20% lighter version of the original color is **73.8511, 65.1713, 78.4990**, and **23.1381, 16.6234, 18.5121** is the 20% darker color. If you saturate the color by 10%, you get **43.6911, 31.1851, 33.7586**, and if you desaturate by 10%, it is **53.1176, 45.4963, 50.9025**.

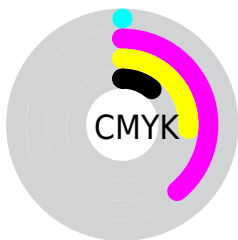
# Distribution



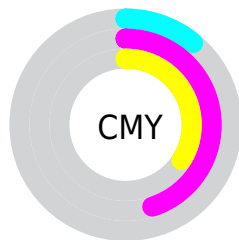
- Red (89%)
- Green (55%)
- Blue (66%)



- Red (89%)
- Yellow (55%)
- Blue (66%)



- Cyan (0%)
- Magenta (39%)
- Yellow (26%)
- Black (11%)




- Cyan (11%)
- Magenta (45%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9791, 37.6233, 41.7790 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 47.9791, 37.6233, 41.7790 by changing the saturation by 10% instead.





 47.9791, 37.6233,  
41.7790

 47.9791, 37.6233,  
41.7790

369.2932,  
336.0013, 369.3386


 34.0215, 25.6905,  
28.6040


 86.3832, 71.5304,  
79.1315

 23.0731, 16.5922,  
18.5385


 111.5604, 94.2734,  
104.1461

 14.7685, 9.9442,  
11.1638


 141.2081,  
121.3886, 133.9443

 8.7423, 5.3620,  
6.0616

175.6919,  
153.2604, 168.9447

 4.6292, 2.4612,  
2.8132

215.3769,  
190.2732, 209.5658

 2.0639, 0.8571,  
1.0000

260.6285,

 0.6695, 0.0000,

232.8113, 256.2261

0.0000

311.8122,  
281.2592, 309.3442

0.0000, 0.0000,  
0.0000

47.9791, 37.6233,  
41.7790

47.9791, 37.6233,  
41.7790

43.6911, 31.1851,  
33.7586

53.1176, 45.4963,  
50.9025

40.2021, 26.0887,  
26.7950

59.1477, 54.8785,  
61.1685

37.4599, 22.2391,  
20.8413

66.1116, 65.8458,  
72.6169

35.4043, 19.5258,  
15.8459

74.0479, 78.4673,  
85.2851

33.9647, 17.8190,  
11.7516

82.9929, 92.8080,  
99.2086

■ 33.0374, 16.9232,  
8.4873

■ 85.4887, 95.0710,  
108.4525

■ 32.9418, 16.8362,  
8.1340

# Harmonies

## Analogous

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



46.0345, 37.6233, 59.7976



47.9791, 37.6233, 41.7790



46.3693, 37.6233, 27.6341

# Triad

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



47.9791, 37.6233, 41.7790



30.7379, 37.6233, 18.9831



30.2980, 37.6233, 74.3110

# Complementary

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



47.9791, 37.6233, 41.7790



48.3114, 64.5054, 63.3340

# 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.



26.9063, 37.6233, 58.0141



47.9791, 37.6233, 41.7790



27.1404, 37.6233, 26.5712

# Square

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



47.9791, 37.6233, 41.7790



36.0428, 37.6233, 16.7790



25.8142, 37.6233, 40.1624



35.4783, 37.6233, 81.4307



# Rectangle

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



47.9791, 37.6233, 41.7790



43.5847, 37.6233, 21.5364



25.8142, 37.6233, 40.1624



28.9324, 37.6233, 69.5419

# Sweetspot

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



47.9802, 37.6251, 41.7797



82.9241, 80.7549, 89.4229



46.3002, 35.9739, 77.1768



17.4905, 16.8771, 18.7163



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.



47.9802, 37.6251, 41.7797



57.6276, 41.7109, 45.3868



47.8408, 41.1982, 29.8589



14.5718, 14.4459, 15.9457



19.2597, 9.8381, 4.9967



1.4649, 0.7437, 0.5887



# Inverse Universe

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



47.9802, 37.6251, 41.7797



57.6276, 41.7109, 45.3868



48.1409, 58.2901, 81.3872



14.5718, 14.4459, 15.9457



19.2597, 9.8381, 4.9967



1.4649, 0.7437, 0.5887



# Previews

## White Background



This preview shows how the XYZ color 47.9791, 37.6233, 41.7790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

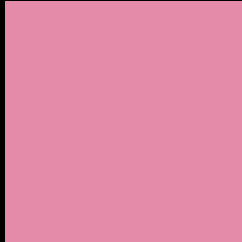
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9791, 37.6233, 41.7790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

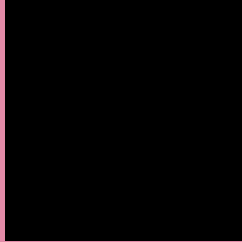
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.9791, 37.6233, 41.7790**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9791, 37.6233, 41.7790.



This preview shows how white text looks on a background with the XYZ color 47.9791, 37.6233,



# 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

47.9791, 37.6233, 41.7790

### Protanopia

36.9270, 37.7563, 50.1412

### Deuteranopia

38.5630, 37.7670, 40.3792



## Tritanopia

46.3918, 37.6206, 34.5221

# Trichromacy



## Original Color

47.9791, 37.6233, 41.7790

## Protanomaly

40.0069, 37.0961, 47.1712

## Deuteranomaly

41.3085, 37.1789, 40.5964

## Tritanomaly

47.0605, 37.6871, 37.1417

# Monochromacy



## Original Color

47.9791, 37.6233, 41.7790

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

40.6235, 38.2654, 42.7810

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9791, 37.6233, 41.7790 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, 139, 168)` looks like.

```
.text, #text, p{  
    color:rgb(227, 139, 168)  
}
```

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, 139, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 139, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9791, 37.6233, 41.7790 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, 139, 168) }
```



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

```
.border{ border-color:rgb(227, 139, 168) }
```

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

Here you see how a box with a 4 pixel rgb(227, 139, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 139, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 139, 168);  
box-shadow:4px 4px 4px 4px rgb(227, 139,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9791, 37.6233, 41.7790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 139, 168) }
```

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

```
.background{ background-color: rgb(227,  
139, 168) }
```

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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