

# Converting Colors

XYZ(49.1044, 37.1639, 41.1445)

Have a look what the booklet for XYZ(49.1044, 37.1639, 41.1445) contains.

<b>XYZ(49.1044, 37.1639, 41.1445)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(49.1044, 37.1639,  
41.1445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E986A7
RGB	233, 134, 167
RGB Percent	91%, 53%, 65%
CMY	0.0863, 0.4745, 0.3451
CMYK	0.00, 0.42, 0.28, 0.09
HSL	340°, 69%, 72%
HSV	340°, 42%, 91%
XYZ	49.1044, 37.1639, 41.1445
YIQ	167.3630, 48.4110, 31.2510

# Conversions

## Conversions Part 2

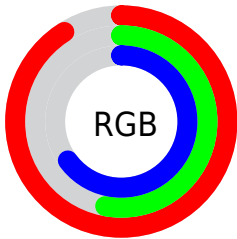
Format	Color
R <sub>Y</sub> B	233, 134, 167
Decimal	15304359
CIE Lab	67.40, 41.72, -0.80
CIE LCh	67, 41.729, 358.901
Yxy	37.1639, 0.3854, 0.2917
Android (android.graphics.Color)	4293494439 (0xFFE986A7)
YUV	167.3630, -0.1790, 57.5636
Hunter-Lab	60.9622, 37.0960, 2.6576

# Details

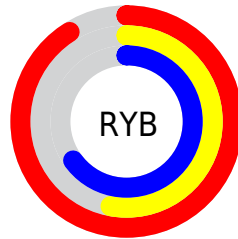
The XYZ color **49.1044, 37.1639, 41.1445** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **49.3975, 67.5171, 65.0757**, and the grayscale version is **36.8930, 38.8143, 42.2687**.

A 20% lighter version of the original color is **72.6224, 62.9291, 77.4262**, and **23.7910, 16.3864, 18.1286** is the 20% darker color. If you saturate the color by 10%, you get **44.8807, 30.8782, 33.0719**, and if you desaturate by 10%, it is **54.2121, 44.9410, 50.3636**.

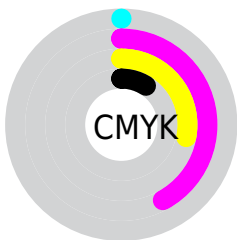
# Distribution



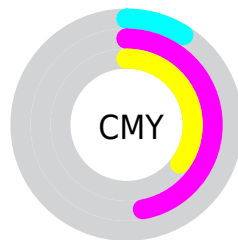
- Red (91%)
- Green (53%)
- Blue (65%)



- Red (91%)
- Yellow (53%)
- Blue (65%)



- Cyan (0%)
- Magenta (42%)
- Yellow (28%)
- Black (9%)




- Cyan (9%)
- Magenta (47%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1044, 37.1639, 41.1445 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 49.1044, 37.1639, 41.1445 by changing the saturation by 10% instead.





 49.1044, 37.1639,  
41.1445


 49.1044, 37.1639,  
41.1445

373.6633,  
334.0196, 366.6187


 34.9172, 25.3344,  
28.1115


 88.0463, 70.8248,  
78.1593

 23.7653, 16.3264,  
18.1699


 113.5317, 93.4250,  
102.9780

 15.2834, 9.7554,  
10.9014


 143.5138,  
120.3842, 132.5625

 9.1061, 5.2371,  
5.8872

178.3580,  
152.0869, 167.3312

 4.8681, 2.3870,  
2.7089

218.4298,  
188.9173, 207.7026

 2.2041, 0.8192,  
0.9479

264.0943,

 0.7449, 0.0000,

231.2600, 254.0953

0.0000

315.7170,  
279.4993, 306.9278

■ 0.0000, 0.0000,  
0.0000

■ 49.1044, 37.1639,  
41.1445

■ 49.1044, 37.1639,  
41.1445

■ 44.8807, 30.8782,  
33.0719

■ 54.2121, 44.9410,  
50.3636

■ 41.4846, 25.9817,  
26.0959

■ 60.2493, 54.2920,  
60.7719

■ 38.8581, 22.3682,  
20.1658

■ 67.2620, 65.2998,  
72.4121

■ 36.9334, 19.9133,  
15.2251

■ 75.2920, 78.0397,  
85.3243

■ 35.6298, 18.4673,  
11.2107

■ 84.3789, 92.5827,  
99.5467

■ 34.9672, 17.8688,  
8.7498

■ 87.4143, 96.0637,  
108.5427

# Harmonies

## Analogous

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



46.9378, 37.1639, 61.5252



49.1044, 37.1639, 41.1445



47.2235, 37.1639, 25.7154

# Triad

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



49.1044, 37.1639, 41.1445



29.7054, 37.1639, 16.7958



29.3429, 37.1639, 78.7477

# Complementary

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



49.1044, 37.1639, 41.1445



49.3975, 67.5171, 65.0757

# 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.



25.6116, 37.1639, 59.9909



49.1044, 37.1639, 41.1445



25.8024, 37.1639, 24.8601

# Square

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



49.1044, 37.1639, 41.1445



35.5596, 37.1639, 14.4740



24.3967, 37.1639, 39.7934



35.0878, 37.1639, 86.8956



# Rectangle

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



49.1044, 37.1639, 41.1445



44.0420, 37.1639, 19.2999



24.3967, 37.1639, 39.7934



27.8384, 37.1639, 73.2417

# Sweetspot

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



49.1054, 37.1657, 41.1452



82.0150, 79.3003, 87.9989



47.0540, 35.2149, 81.4080



17.1267, 16.2994, 18.1330



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.



49.1054, 37.1657, 41.1452



55.6627, 38.7528, 41.7365



48.8950, 41.0194, 27.8971



15.2725, 15.1369, 16.7205



19.8925, 10.1597, 5.2353



1.6052, 0.8151, 0.6385



# Inverse Universe

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



49.1054, 37.1657, 41.1452



55.6627, 38.7528, 41.7365



49.2250, 60.3210, 86.1395



15.2725, 15.1369, 16.7205



19.8925, 10.1597, 5.2353



1.6052, 0.8151, 0.6385



# Previews

## White Background



This preview shows how the XYZ color 49.1044, 37.1639, 41.1445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

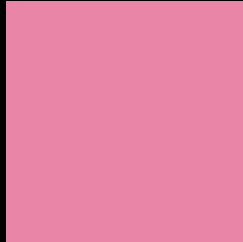
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.1044, 37.1639, 41.1445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

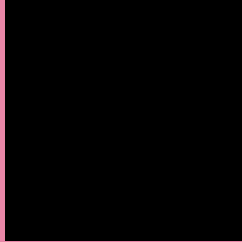
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.1044, 37.1639, 41.1445**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1044, 37.1639, 41.1445.



This preview shows how white text looks on a background with the XYZ color 49.1044, 37.1639,



# 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

49.1044, 37.1639, 41.1445

### Protanopia

36.7544, 37.3786, 51.1766

### Deuteranopia

38.0651, 37.2644, 39.8368



## Tritanopia

47.2460, 37.0184, 32.6721

# Trichromacy



## Original Color

49.1044, 37.1639, 41.1445



## Protanomaly

40.0032, 36.3622, 47.0297



## Deuteranomaly

41.4266, 36.7724, 40.0363



## Tritanomaly

47.9993, 37.1307, 35.6474

# Monochromacy



## Original Color

49.1044, 37.1639, 41.1445



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

40.1823, 37.3091, 41.6428

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1044, 37.1639, 41.1445 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, 134, 167)` looks like.

```
.text, #text, p{  
    color:rgb(233, 134, 167)  
}
```

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, 134, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 134, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1044, 37.1639, 41.1445 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, 134, 167) }
```



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

```
.border{ border-color:rgb(233, 134, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 134, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 134, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 134, 167);  
box-shadow:4px 4px 4px 4px rgb(233, 134,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1044, 37.1639, 41.1445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 134, 167) }
```

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

```
.background{ background-color: rgb(233,  
134, 167) }
```

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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