

# Converting Colors

XYZ(48.6984, 37.0976, 40.2130)

Have a look what the booklet for  
XYZ(48.6984, 37.0976, 40.2130)  
contains.

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# Color

**XYZ(48.7342, 37.2004,  
40.2091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E887A5
RGB	232, 135, 165
RGB Percent	91%, 53%, 65%
CMY	0.0902, 0.4706, 0.3529
CMYK	0.00, 0.42, 0.29, 0.09
HSL	341°, 68%, 72%
HSV	341°, 42%, 91%
XYZ	48.7342, 37.2004, 40.2091
YIQ	167.4230, 48.1820, 29.8940

# Conversions

## Conversions Part 2

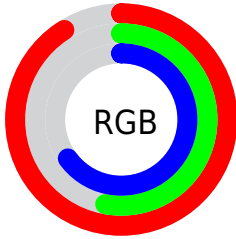
Format	Color
R <sub>Y</sub> B	232, 135, 165
Decimal	15239077
CIE Lab	67.43, 40.59, 0.35
CIE LCh	67, 40.594, 0.495
Yxy	37.2004, 0.3863, 0.2949
Android (android.graphics.Color)	4293429157 (0xFFE887A5)
YUV	167.4230, -1.1945, 56.6340
Hunter-Lab	60.9921, 35.8896, 3.6075

# Details

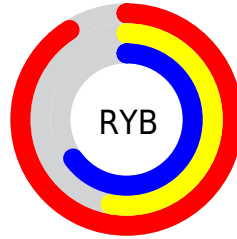
The XYZ color **48.7342, 37.2004, 40.2091** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **49.5107, 67.1293, 66.2284**, and the grayscale version is **36.9271, 38.8502, 42.3079**.

A 20% lighter version of the original color is **72.5717, 63.2542, 76.0945**, and **23.5295, 16.3774, 17.5438** is the 20% darker color. If you saturate the color by 10%, you get **44.4744, 30.8706, 32.0380**, and if you desaturate by 10%, it is **53.8841, 45.0173, 49.5795**.

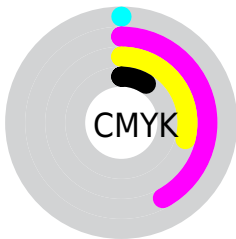
# Distribution



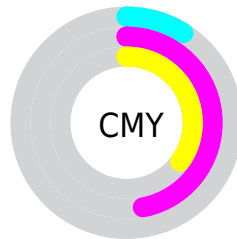
- Red (91%)
- Green (53%)
- Blue (65%)



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



- Cyan (0%)
- Magenta (42%)
- Yellow (29%)
- Black (9%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7342, 37.2004, 40.2091 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 48.7342, 37.2004, 40.2091 by changing the saturation by 10% instead.




 48.7342, 37.2004,  
40.2091

 48.7342, 37.2004,  
40.2091


372.2293,  
334.1773, 362.5824


 34.6223, 25.3627,  
27.3866


 87.4997, 70.8809,  
76.7224

 23.5373, 16.3475,  
17.6288


 112.8840, 93.4925,  
101.2502

 15.1136, 9.7704,  
10.5171


 142.7565,  
120.4641, 130.5170

 8.9860, 5.2470,  
5.6331

177.4825,  
152.1802, 164.9411

 4.7891, 2.3929,  
2.5581

217.4275,  
189.0252, 204.9411

 2.1575, 0.8222,  
0.8707

262.9567,

 0.7202, 0.0000,

231.3835, 250.9357

0.0000

314.4355,  
279.6394, 303.3432

■ 0.0000, 0.0000,  
0.0000

■ 48.7342, 37.2004,  
40.2091

■ 48.7342, 37.2004,  
40.2091

■ 44.4744, 30.8706,  
32.0380

■ 53.8841, 45.0173,  
49.5795

■ 41.0486, 25.9273,  
25.0130

■ 59.9694, 54.4027,  
60.1947

■ 38.3989, 22.2658,  
19.0801

■ 67.0362, 65.4385,  
72.1002

■ 36.4580, 19.7640,  
14.1791

■ 75.1262, 78.1991,  
85.3388

■ 35.1464, 18.2756,  
10.2430

■ 84.2791, 92.7547,  
99.9509

■ 34.4401, 17.6204,  
7.6730

■ 87.0888, 95.8958,  
108.5274

# Harmonies

## Analogous

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



46.8367, 37.2004, 59.8504



48.7342, 37.2004, 40.2091



46.7119, 37.2004, 25.4754

# Triad

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



48.7342, 37.2004, 40.2091



29.6227, 37.2004, 17.5586



29.7824, 37.2004, 78.2820

# Complementary

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



48.7342, 37.2004, 40.2091



49.5107, 67.1293, 66.2284

# 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.



26.0111, 37.2004, 60.5192



48.7342, 37.2004, 40.2091



25.9268, 37.2004, 25.8543

# Square

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



48.7342, 37.2004, 40.2091



35.2544, 37.2004, 14.9798



24.6848, 37.2004, 40.8022



35.4615, 37.2004, 85.3849



# Rectangle

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



48.7342, 37.2004, 40.2091



43.5353, 37.2004, 19.3884



24.6848, 37.2004, 40.8022



28.2745, 37.2004, 73.1447

# Sweetspot

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



48.7352, 37.2022, 40.2098



81.9013, 79.2549, 87.4005



47.3946, 35.6131, 80.7201



17.0989, 16.2882, 17.9864



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.



48.7352, 37.2022, 40.2098



55.8625, 39.3556, 41.1765



49.0090, 41.6186, 28.3742



14.5596, 14.4410, 15.8813



19.1694, 9.8020, 4.5212



1.4571, 0.7405, 0.5474



# Inverse Universe

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



48.7352, 37.2022, 40.2098



55.8625, 39.3556, 41.1765



48.6600, 59.1812, 85.2025



14.5596, 14.4410, 15.8813



19.1694, 9.8020, 4.5212



1.4571, 0.7405, 0.5474



# Previews

## White Background



This preview shows how the XYZ color 48.7342, 37.2004, 40.2091 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

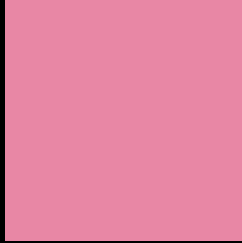
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.7342, 37.2004, 40.2091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

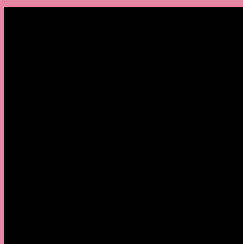
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.7342, 37.2004, 40.2091**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.7342, 37.2004, 40.2091.



This preview shows how white text looks on a background with the XYZ color 48.7342, 37.2004,



# 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

48.7342, 37.2004, 40.2091

### Protanopia

36.6192, 37.6097, 49.5853

### Deuteranopia

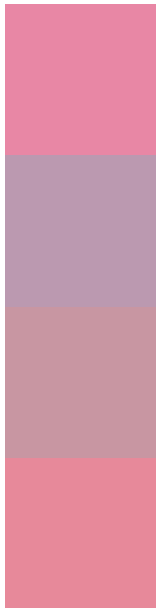
38.1226, 37.3146, 38.9114



## Tritanopia

47.0669, 37.1381, 32.7046

# Trichromacy



## Original Color

48.7342, 37.2004, 40.2091

## Protanomaly

39.7212, 36.4819, 46.0225

## Deuteranomaly

41.2474, 36.7007, 39.0924

## Tritanomaly

47.7334, 37.2133, 35.2389

# Monochromacy



## Original Color

48.7342, 37.2004, 40.2091

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

40.0901, 37.2722, 41.1577

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7342, 37.2004, 40.2091 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(232, 135, 165)` looks like.

```
.text, #text, p{  
    color:rgb(232, 135, 165)  
}
```

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(232, 135, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 135, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7342, 37.2004, 40.2091 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(232, 135, 165) }
```



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

```
.border{ border-color:rgb(232, 135, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 135, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 135, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 135, 165);  
box-shadow:4px 4px 4px 4px rgb(232, 135,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7342, 37.2004, 40.2091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 135, 165) }
```

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

```
.background{ background-color: rgb(232,  
135, 165) }
```

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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