

# Converting Colors

XYZ(37.0170, 21.6765, 24.8940)

Have a look what the booklet for  
XYZ(37.0170, 21.6765, 24.8940)  
contains.

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# Color

**XYZ(37.1107, 21.7028,  
24.7874)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E04486
RGB	224, 68, 134
RGB Percent	88%, 27%, 53%
CMY	0.1216, 0.7333, 0.4745
CMYK	0.00, 0.70, 0.40, 0.12
HSL	335°, 72%, 57%
HSV	335°, 70%, 88%
XYZ	37.1107, 21.7028, 24.7874
YIQ	122.1680, 71.7900, 53.5980

# Conversions

## Conversions Part 2

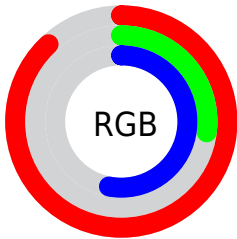
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 68, 134
Decimal	14697606
CIE <sub>Lab</sub>	53.71, 64.97, -1.93
CIE <sub>LCh</sub>	54, 65.000, 358.299
Yxy	21.7028, 0.4439, 0.2596
Android (android.graphics.Color)	4292887686 (0xFFE04486)
YUV	122.1680, 5.8332, 89.3067
Hunter-Lab	46.5863, 60.6675, 1.0636

# Details

The XYZ color **37.1107, 21.7028, 24.7874** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **35.2126, 57.0095, 41.5000**, and the grayscale version is **18.5200, 19.4844, 21.2185**.

A 20% lighter version of the original color is **57.7990, 40.0266, 51.6933**, and **16.9495, 8.5484, 9.3510** is the 20% darker color. If you saturate the color by 10%, you get **35.1582, 19.1533, 19.9578**, and if you desaturate by 10%, it is **39.6918, 25.3332, 30.3705**.

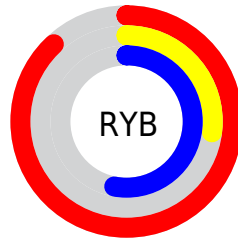
# Distribution



Red (88%)

Green (27%)

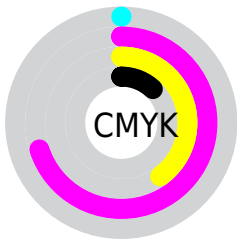
Blue (53%)



Red (88%)

Yellow (27%)

Blue (53%)

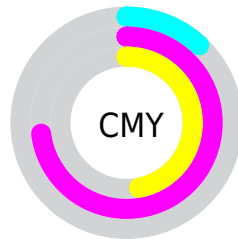


Cyan (0%)

Magenta (70%)

Yellow (40%)

Black (12%)



Cyan (12%)

Magenta (73%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1107, 21.7028, 24.7874 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 37.1107, 21.7028, 24.7874 by changing the saturation by 10% instead.





 37.1107, 21.7028,  
24.7874


 37.1107, 21.7028,  
24.7874


325.1368,  
260.9903, 290.1912


 25.4673, 13.6387,  
15.7012


 70.0557, 46.2543,  
52.2720

 16.5561, 7.8698,  
9.1609


 92.0881, 63.5105,  
71.5073


 10.0119, 4.0117,  
4.7480


 118.3141, 84.5994,  
94.9628

 5.4691, 1.6801,  
2.0440

 149.0991,  
109.9056, 123.0570

 2.5626, 0.4107,  
0.5822

 184.8085,  
139.8134, 156.2084

 0.9269, 0.0000,  
0.0000

225.8077,

 0.0000, 0.0000,

174.7072, 194.8355

0.0000

272.4620,  
214.9713, 239.3570

■ 37.1107, 21.7028,  
24.7874

■ 37.1107, 21.7028,  
24.7874

■ 35.1582, 19.1533,  
19.9578

■ 39.6918, 25.3332,  
30.3705

■ 33.7660, 17.5544,  
15.8387

■ 42.9563, 30.1479,  
36.7432


■ 32.8252, 16.6953,  
12.3736


■ 46.9545, 36.2422,  
43.9403


■ 32.7952, 16.6692,  
12.2588


■ 51.7315, 43.7004,  
51.9935

■ 57.3284, 52.5997,  
60.9328

 63.7835, 63.0115,  
70.7865

 71.1323, 75.0022,  
81.5815

 79.4088, 88.6346,  
93.3436

 83.8052, 94.2892,  
104.4842

# Harmonies

## Analogous

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



34.2422, 21.7028, 50.0455



37.1107, 21.7028, 24.7874



34.8025, 21.7028, 9.7170

# Triad

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



37.1107, 21.7028, 24.7874



14.9102, 21.7028, 3.3965



14.3625, 21.7028, 73.5597

# Complementary

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



37.1107, 21.7028, 24.7874



35.2126, 57.0095, 41.5000

# 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.



10.9434, 21.7028, 46.8638



37.1107, 21.7028, 24.7874



11.2060, 21.7028, 8.6670

# Square

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



37.1107, 21.7028, 24.7874



21.0279, 21.7028, 2.2916



9.9317, 21.7028, 22.5105



20.2329, 21.7028, 86.4013



# Rectangle

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



37.1107, 21.7028, 24.7874



30.8765, 21.7028, 5.0084



9.9317, 21.7028, 22.5105



12.9424, 21.7028, 65.3690

# Sweetspot

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



37.1113, 21.7040, 24.7878



75.7004, 68.6309, 79.8522



29.3109, 16.6256, 72.1852



15.7420, 13.9545, 16.3627



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.



37.1113, 21.7040, 24.7878



46.1510, 24.4821, 23.9139



34.5377, 21.7719, 7.8525



13.9466, 13.7963, 15.4891



19.1439, 9.7246, 7.4236



1.3710, 0.6917, 0.7465



# Inverse Universe

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



37.1113, 21.7040, 24.7878



46.1510, 24.4821, 23.9139



39.7847, 54.5023, 78.9441



13.9466, 13.7963, 15.4891



19.1439, 9.7246, 7.4236



1.3710, 0.6917, 0.7465



# Previews

## White Background



This preview shows how the XYZ color 37.1107, 21.7028, 24.7874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1107, 21.7028, 24.7874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

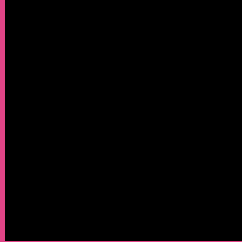
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.1107, 21.7028, 24.7874**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.1107, 21.7028, 24.7874.



This preview shows how white text looks on a background with the XYZ color 37.1107, 21.7028,

24.7874.

# 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

37.1107, 21.7028, 24.7874

### Protanopia

22.2762, 21.9009, 41.5813

### Deuteranopia

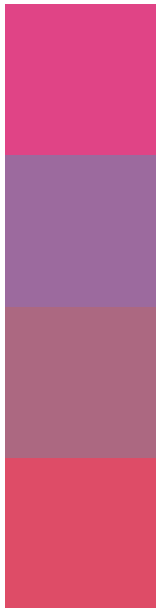
22.2548, 21.9244, 22.7975



## Tritanopia

34.3271, 21.7654, 10.9862

# Trichromacy



## Original Color

37.1107, 21.7028, 24.7874

## Protanomaly

25.0359, 19.8446, 34.8586

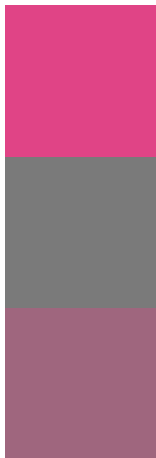
## Deuteranomaly

25.9260, 20.2563, 23.3123

## Tritanomaly

35.1568, 21.6778, 15.1632

# Monochromacy



## Original Color

37.1107, 21.7028, 24.7874

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

22.8153, 18.3800, 22.0839

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.1107, 21.7028, 24.7874 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(224, 68, 134)` looks like.

```
.text, #text, p{  
    color:rgb(224, 68, 134)  
}
```

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(224, 68, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 68, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 37.1107, 21.7028, 24.7874 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(224, 68, 134) }
```



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

```
.border{ border-color:rgb(224, 68, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 68, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 68, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 68, 134);  
box-shadow:4px 4px 4px 4px rgb(224, 68,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.1107, 21.7028, 24.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 68, 134) }
```

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

```
.background{ background-color: rgb(224, 68,  
134) }
```

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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