

# Converting Colors

XYZ(52.0372, 37.8231, 72.4010)

Have a look what the booklet for  
XYZ(52.0372, 37.8231, 72.4010)  
contains.

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# Color

**XYZ(52.0463, 37.7897,  
72.2611)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E085DC
RGB	224, 133, 220
RGB Percent	88%, 52%, 86%
CMY	0.1216, 0.4784, 0.1373
CMYK	0.00, 0.41, 0.02, 0.12
HSL	303°, 59%, 70%
HSV	303°, 41%, 88%
XYZ	52.0463, 37.7897, 72.2611
YIQ	170.1270, 26.3090, 46.3490

# Conversions

## Conversions Part 2

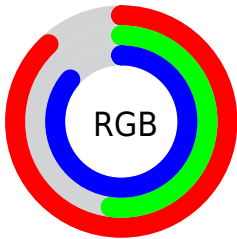
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 133, 220
Decimal	14714332
CIE Lab	67.87, 47.57, -29.86
CIE LCh	68, 56.165, 327.886
Yxy	37.7897, 0.3211, 0.2331
Android (android.graphics.Color)	4292904412 (0xFFE085DC)
YUV	170.1270, 24.5874, 47.2466
Hunter-Lab	61.4733, 43.5484, -26.6633

# Details

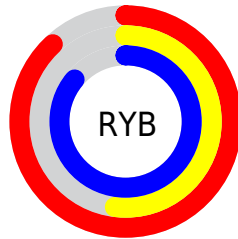
The XYZ color **52.0463, 37.7897, 72.2611** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **40.8456, 60.1054, 33.1179**, and the grayscale version is **38.1451, 40.1316, 43.7033**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **25.5965, 16.6694, 37.4657** is the 20% darker color. If you saturate the color by 10%, you get **49.1706, 32.2457, 70.6612**, and if you desaturate by 10%, it is **55.5791, 44.6451, 74.0845**.

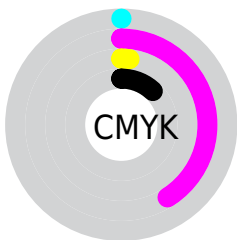
# Distribution



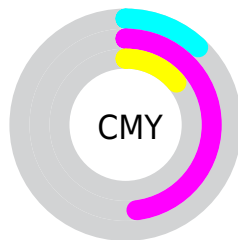
- Red (88%)
- Green (52%)
- Blue (86%)



- Red (88%)
- Yellow (52%)
- Blue (86%)



- Cyan (0%)
- Magenta (41%)
- Yellow (2%)
- Black (12%)




- Cyan (12%)
- Magenta (48%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0463, 37.7897, 72.2611 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 52.0463, 37.7897, 72.2611 by changing the saturation by 10% instead.





 52.0463, 37.7897,  
72.2611


 52.0463, 37.7897,  
72.2611


384.9363,  
336.7170, 487.4518


 37.2664, 25.8195,  
52.8839

 92.3733, 71.7857,  
124.1388

 25.5884, 16.6887,  
37.3230


 118.6512, 94.5803,  
157.4764

 16.6471, 10.0128,  
25.1599


 149.4924,  
121.7518, 196.3045

 10.0769, 5.4074,  
15.9761

185.2623,  
153.6846, 241.0417

 5.5126, 2.4882,  
9.3531

226.3263,  
190.7632, 292.1065

 2.5889, 0.8707,  
4.8723

273.0498,

 0.9403, 0.0000,

233.3718, 349.9174

2.1151

325.7980,  
281.8949, 414.8930

■ 0.0000, 0.0000,  
0.6247

■ 0.0000, 0.0000,  
0.0000

■ 52.0463, 37.7897,  
72.2611

■ 52.0463, 37.7897,  
72.2611

■ 49.1706, 32.2457,  
70.6612

■ 55.5791, 44.6451,  
74.0845

■ 46.9065, 27.9243,  
69.2686


■ 59.8035, 52.8834,  
76.1420

■ 45.2081, 24.7334,  
68.0684


■ 64.7561, 62.5768,  
78.4459


■ 44.0222, 22.5659,  
67.0427


■ 70.4699, 73.7911,  
81.0074


 43.2847, 21.2943,  
66.1703


 76.9755, 86.5882,  
83.8367

 42.8981, 20.7104,  
65.4573

 80.2160, 92.8536,  
85.5813

 80.3515, 92.9078,  
86.2949

 80.4878, 92.9623,  
87.0125

 80.6249, 93.0171,  
87.7342

# Harmonies

## Analogous

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



44.3313, 37.7897, 99.7416



52.0463, 37.7897, 72.2611



55.3807, 37.7897, 42.9405

# Triad

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



52.0463, 37.7897, 72.2611



36.5390, 37.7897, 9.4240



23.0593, 37.7897, 67.8936

# Complementary

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



52.0463, 37.7897, 72.2611



40.8456, 60.1054, 33.1179

# 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.



21.6507, 37.7897, 39.4033



52.0463, 37.7897, 72.2611



28.6427, 37.7897, 11.6516

# Square

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



52.0463, 37.7897, 72.2611



45.5734, 37.7897, 12.4310



23.5219, 37.7897, 20.5585



27.7328, 37.7897, 96.5843



# Rectangle

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



52.0463, 37.7897, 72.2611



54.3227, 37.7897, 28.1074



23.5219, 37.7897, 20.5585



22.2250, 37.7897, 57.6993

# Sweetspot

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



52.0475, 37.7914, 72.2619



85.8374, 81.9202, 104.7643



32.0026, 27.3959, 74.1233



18.1775, 17.1519, 22.3341



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.



52.0475, 37.7914, 72.2619



66.4073, 44.1098, 95.0512



46.9133, 35.7377, 45.2254



14.2676, 13.9247, 17.1795



24.9810, 12.0594, 38.1615



1.7397, 0.8392, 2.6882



# Inverse Universe

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



52.0475, 37.7914, 72.2619



66.4073, 44.1098, 95.0512



44.7254, 61.6573, 53.5491



14.2676, 13.9247, 17.1795



24.9810, 12.0594, 38.1615



1.7397, 0.8392, 2.6882



# Previews

## White Background



This preview shows how the XYZ color 52.0463, 37.7897, 72.2611 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

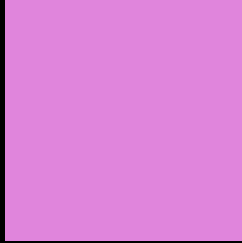
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.0463, 37.7897, 72.2611 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

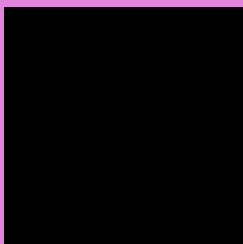
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.0463, 37.7897, 72.2611**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0463, 37.7897, 72.2611.



This preview shows how white text looks on a background with the XYZ color 52.0463, 37.7897,



# 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

52.0463, 37.7897, 72.2611

### Protanopia

39.9223, 38.1544, 90.0544

### Deuteranopia

39.0732, 38.1686, 69.5979



## Tritanopia

44.6836, 37.5910, 36.7990

# Trichromacy



## Original Color

52.0463, 37.7897, 72.2611



## Protanomaly

42.8012, 37.0007, 83.4832



## Deuteranomaly

42.8087, 37.2900, 70.5871



## Tritanomaly

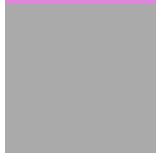
46.9765, 37.4051, 47.9240

# Monochromacy



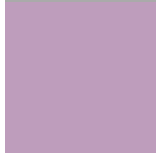
## Original Color

52.0463, 37.7897, 72.2611



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

42.3693, 38.6919, 52.8121

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0463, 37.7897, 72.2611 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, 133, 220)` looks like.

```
.text, #text, p{  
    color:rgb(224, 133, 220)  
}
```

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, 133, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 133, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0463, 37.7897, 72.2611 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, 133, 220) }
```



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

```
.border{ border-color:rgb(224, 133, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 133, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 133, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 133, 220);  
box-shadow:4px 4px 4px 4px rgb(224, 133,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0463, 37.7897, 72.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 133, 220) }
```

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

```
.background{ background-color: rgb(224,  
133, 220) }
```

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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