

# Converting Colors

XYZ(52.6044, 37.6276, 73.1547)

Have a look what the booklet for  
XYZ(52.6044, 37.6276, 73.1547)  
contains.

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# Color

**XYZ(52.5315, 37.6218,  
72.8996)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E283DD
RGB	226, 131, 221
RGB Percent	89%, 51%, 87%
CMY	0.1137, 0.4863, 0.1333
CMYK	0.00, 0.42, 0.02, 0.11
HSL	303°, 62%, 70%
HSV	303°, 42%, 89%
XYZ	52.5315, 37.6218, 72.8996
YIQ	169.6650, 27.7300, 48.1300

# Conversions

## Conversions Part 2

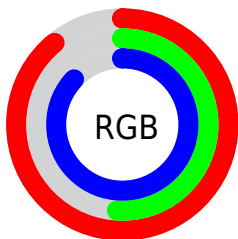
Format	Color
R <sub>Y</sub> B	226, 131, 221
Decimal	14844893
CIE Lab	67.74, 49.38, -30.58
CIE LCh	68, 58.080, 328.225
Yxy	37.6218, 0.3222, 0.2307
Android (android.graphics.Color)	4293034973 (0xFFE283DD)
YUV	169.6650, 25.3082, 49.4058
Hunter-Lab	61.3366, 45.5366, -27.5315

# Details

The XYZ color **52.5315, 37.6218, 72.8996** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **41.0020, 60.9970, 32.9074**, and the grayscale version is **37.9115, 39.8858, 43.4357**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **25.9695, 16.6370, 37.9189** is the 20% darker color. If you saturate the color by 10%, you get **49.6631, 32.1371, 71.1645**, and if you desaturate by 10%, it is **56.0654, 44.4343, 74.8628**.

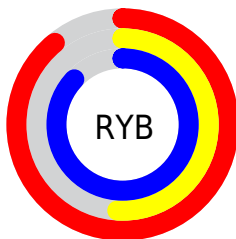
# Distribution



Red (89%)

Green (51%)

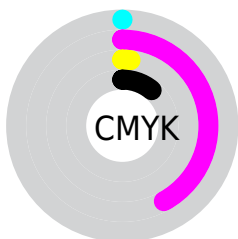
Blue (87%)



Red (89%)

Yellow (51%)

Blue (87%)

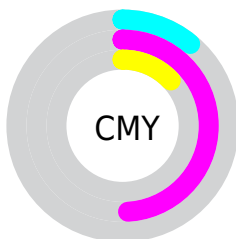


Cyan (0%)

Magenta (42%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (49%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5315, 37.6218, 72.8996 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 52.5315, 37.6218, 72.8996 by changing the saturation by 10% instead.





 52.5315, 37.6218,  
72.8996


 52.5315, 37.6218,  
72.8996


386.7754,  
335.9948, 489.7282


 37.6549, 25.6893,  
53.4025


 93.0842, 71.5281,  
125.0543

 25.8909, 16.5913,  
37.7343


 119.4910, 94.2707,  
158.5490

 16.8743, 9.9436,  
25.4763


 150.4719,  
121.3854, 197.5466

 10.2397, 5.3616,  
16.2100

186.3923,  
153.2566, 242.4658

 5.6216, 2.4609,  
9.5169

227.6175,  
190.2688, 293.7250

 2.6549, 0.8570,  
4.9785

274.5128,

 0.9740, 0.0000,

232.8063, 351.7427

2.1761

327.4437,  
281.2535, 416.9376

■ 0.0000, 0.0000,  
0.6605

■ 0.0000, 0.0000,  
0.0000

■ 52.5315, 37.6218,  
72.8996

■ 52.5315, 37.6218,  
72.8996

■ 49.6631, 32.1371,  
71.1645

■ 56.0654, 44.4343,  
74.8628

■ 47.4131, 27.8880,  
69.6407


■ 60.3008, 52.6486,  
77.0651

■ 45.7340, 24.7790,  
68.3127


■ 65.2752, 62.3393,  
79.5192


■ 44.5698, 22.6980,  
67.1619


■ 71.0227, 73.5742,  
82.2366


 43.8533, 21.5107,  
66.1657


 77.5751, 86.4172,  
85.2279

 43.5154, 21.0294,  
65.4537

 81.1474, 93.2982,  
87.2314

 81.3133, 93.3645,  
88.1051

 81.4804, 93.4313,  
88.9848

 81.6486, 93.4986,  
89.8705

# Harmonies

## Analogous

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



44.5588, 37.6218, 101.7837



52.5315, 37.6218, 72.8996



55.9351, 37.6218, 42.5144

# Triad

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



52.5315, 37.6218, 72.8996



36.2958, 37.6218, 8.7566



22.6037, 37.6218, 69.0732

# Complementary

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



52.5315, 37.6218, 72.8996



41.0020, 60.9970, 32.9074

# 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.



21.1313, 37.6218, 39.4513



52.5315, 37.6218, 72.8996



28.2004, 37.6218, 11.0208

# Square

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



52.5315, 37.6218, 72.8996



45.6400, 37.6218, 11.6714



22.9999, 37.6218, 20.0567



27.4172, 37.6218, 99.0000



# Rectangle

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



52.5315, 37.6218, 72.8996



54.7874, 37.6218, 27.3666



22.9999, 37.6218, 20.0567



21.7410, 37.6218, 58.4511

# Sweetspot

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



52.5327, 37.6235, 72.9004



85.0917, 80.5310, 104.2008



31.9583, 26.9388, 75.4679



17.8886, 16.6042, 22.1452



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.



52.5327, 37.6235, 72.9004



65.8821, 43.3634, 93.9391



47.0975, 35.4494, 44.2786



14.2622, 13.9225, 17.1511



24.8394, 12.0028, 37.4156



1.7314, 0.8358, 2.6445



# Inverse Universe

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



52.5327, 37.6235, 72.9004



65.8821, 43.3634, 93.9391



45.1313, 62.6487, 54.6518



14.2622, 13.9225, 17.1511



24.8394, 12.0028, 37.4156



1.7314, 0.8358, 2.6445



# Previews

## White Background



This preview shows how the XYZ color 52.5315, 37.6218, 72.8996 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

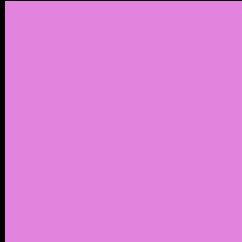
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5315, 37.6218, 72.8996 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

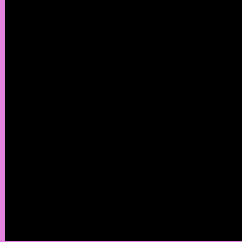
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.5315, 37.6218, 72.8996**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.5315, 37.6218, 72.8996.



This preview shows how white text looks on a background with the XYZ color 52.5315, 37.6218,



# 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

52.5315, 37.6218, 72.8996

### Protanopia

40.0483, 38.1666, 92.4449

### Deuteranopia

38.8805, 38.0692, 69.5889



## Tritanopia

45.0396, 37.5565, 36.3278

# Trichromacy



## Original Color

52.5315, 37.6218, 72.8996



## Protanomaly

42.7149, 36.6827, 84.9499



## Deuteranomaly

42.6470, 36.9667, 70.5332



## Tritanomaly

47.4351, 37.4236, 47.9034

# Monochromacy



## Original Color

52.5315, 37.6218, 72.8996



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

42.3090, 38.3982, 53.3258

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5315, 37.6218, 72.8996 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(226, 131, 221)` looks like.

```
.text, #text, p{  
    color:rgb(226, 131, 221)  
}
```

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(226, 131, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 131, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5315, 37.6218, 72.8996 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".

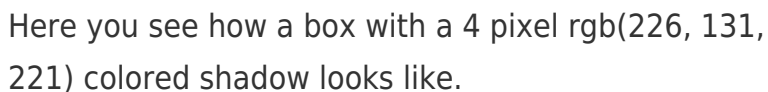
```
.border, #border, table{ border:4px solid rgb(226, 131, 221) }
```



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

```
.border{ border-color:rgb(226, 131, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 131, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 131, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 131, 221); box-shadow:4px 4px 4px 4px rgb(226, 131, 221) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5315, 37.6218, 72.8996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 131, 221) }
```

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

```
.background{ background-color: rgb(226,  
131, 221) }
```

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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