

Converting Colors

XYZ(52.7824, 37.1286, 70.8207)

Have a look what the booklet for
XYZ(52.7824, 37.1286, 70.8207)
contains.

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Color

**XYZ(52.6872, 37.1583,
70.7250)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E580DA |
| RGB | 229, 128, 218 |
| RGB Percent | 90%, 50%, 85% |
| CMY | 0.1020, 0.4980, 0.1451 |
| CMYK | 0.00, 0.44, 0.05, 0.10 |
| HSL | 307°, 66%, 70% |
| HSV | 307°, 44%, 90% |
| XYZ | 52.6872, 37.1583, 70.7250 |
| YIQ | 168.4590, 31.3060, 49.4020 |

Conversions

Conversions Part 2

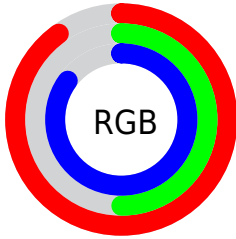
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 229, 128, 218 |
| Decimal | 15040730 |
| CIE Lab | 67.40, 51.27, -29.42 |
| CIE LCh | 67, 59.111, 330.149 |
| Yxy | 37.1583, 0.3281, 0.2314 |
| Android (android.graphics.Color) | 4293230810 (0xFFE580DA) |
| YUV | 168.4590, 24.4237, 53.0945 |
| Hunter-Lab | 60.9576, 47.6062, -26.1199 |

Details

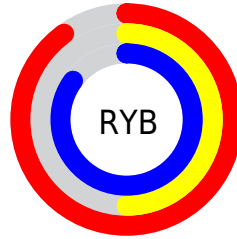
The XYZ color **52.6872, 37.1583, 70.7250** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.5833, 62.4933, 34.2992**, and the grayscale version is **37.3190, 39.2625, 42.7568**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **26.1402, 16.4472, 36.4472** is the 20% darker color. If you saturate the color by 10%, you get **49.7068, 31.7152, 68.1335**, and if you desaturate by 10%, it is **56.3489, 43.9546, 73.5686**.

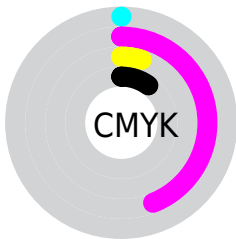
Distribution



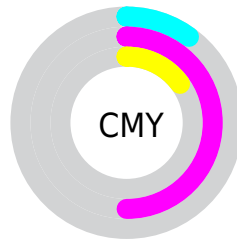
- Red (90%)
- Green (50%)
- Blue (85%)



- Red (90%)
- Yellow (50%)
- Blue (85%)



- Cyan (0%)
- Magenta (44%)
- Yellow (5%)
- Black (10%)




- Cyan (10%)
- Magenta (50%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6872, 37.1583, 70.7250 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 52.6872, 37.1583, 70.7250 by changing the saturation by 10% instead.


 52.6872, 37.1583,
70.7250


 52.6872, 37.1583,
70.7250

387.3644,
333.9954, 481.9493


 37.7796, 25.3301,
51.6374


 93.3122, 70.8162,
121.9329

 25.9881, 16.3231,
36.3359


 119.7602, 93.4146,
154.8902

 16.9474, 9.7531,
24.4019


 150.7859,
120.3720, 193.3078

 10.2921, 5.2356,
15.4171

186.7544,
152.0725, 237.6042

 5.6568, 2.3861,
8.9628

228.0311,
188.9008, 288.1981

 2.6762, 0.8187,
4.6204

274.9815,

 0.9849, 0.0000,

231.2411, 345.5078

1.9715

327.9708,
279.4778, 409.9520

■ 0.0000, 0.0000,
0.5377

■ 0.0000, 0.0000,
0.0000

■ 52.6872, 37.1583,
70.7250

■ 52.6872, 37.1583,
70.7250

■ 49.7068, 31.7152,
68.1335

■ 56.3489, 43.9546,
73.5686

■ 47.3581, 27.5285,
65.7763


■ 60.7299, 52.1825,
76.6759


■ 45.5907, 24.4966,
63.6369


■ 65.8698, 61.9200,
80.0607


■ 44.3448, 22.4999,
61.6952


■ 71.8040, 73.2383,
83.7348


 43.5475, 21.3925,
59.9269


 78.5659, 86.2040,
87.7094

 43.2196, 21.0207,
58.9427

 82.7768, 94.0595,
90.8584

 83.1357, 94.2031,
92.7483

 83.4996, 94.3487,
94.6648

 83.8687, 94.4963,
96.6081

Harmonies

Analogous

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



44.8113, 37.1583, 100.7644



52.6872, 37.1583, 70.7250



55.7632, 37.1583, 40.3294

Triad

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



52.6872, 37.1583, 70.7250



35.2725, 37.1583, 8.2629



22.2924, 37.1583, 71.0517

Complementary

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



52.6872, 37.1583, 70.7250



41.5833, 62.4933, 34.2992

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.



20.6027, 37.1583, 40.5890



52.6872, 37.1583, 70.7250



27.2698, 37.1583, 10.8318

Square

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



52.6872, 37.1583, 70.7250



44.7194, 37.1583, 10.7780



22.2591, 37.1583, 20.3577



27.3360, 37.1583, 101.0031

Rectangle

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



52.6872, 37.1583, 70.7250



54.3299, 37.1583, 25.5899



22.2591, 37.1583, 20.3577



21.3561, 37.1583, 60.1964

Sweetspot

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



52.6884, 37.1600, 70.7258



84.7955, 80.4125, 102.6408



32.3615, 26.5092, 77.5410



17.8146, 16.5746, 21.7555



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.



52.6884, 37.1600, 70.7258



63.7081, 40.9648, 87.2048



47.1390, 34.9402, 41.5030



14.9239, 14.5868, 17.7998



24.7380, 12.0294, 33.8450



1.8475, 0.8967, 2.6035

Inverse Universe

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



52.6884, 37.1600, 70.7258



63.7081, 40.9648, 87.2048



46.0649, 64.2859, 57.8990



14.9239, 14.5868, 17.7998



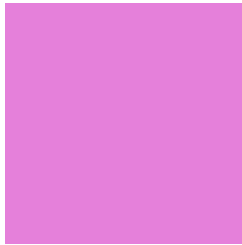
24.7380, 12.0294, 33.8450



1.8475, 0.8967, 2.6035

Previews

White Background



This preview shows how the XYZ color 52.6872, 37.1583, 70.7250 looks on a white background.

Color Contrast Check

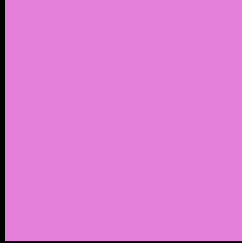
Large Text (above 18pt) WCAG AA × Fail

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 52.6872, 37.1583, 70.7250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

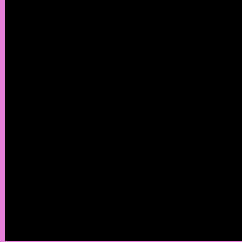
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.6872, 37.1583, 70.7250

Background



This preview shows how black text looks on a background with the XYZ color 52.6872, 37.1583, 70.7250.



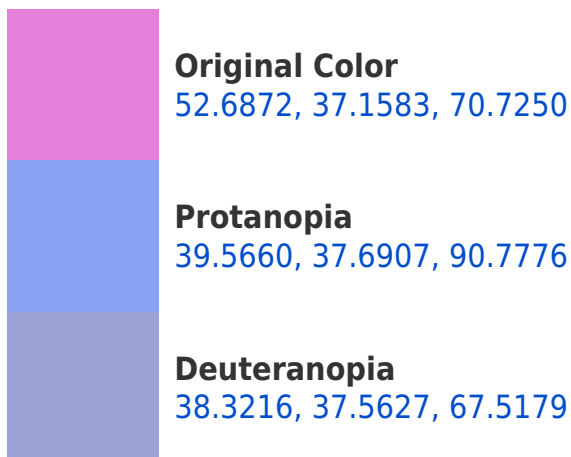
This preview shows how white text looks on a background with the XYZ color 52.6872, 37.1583,

70.7250.

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





Tritanopia

45.2416, 37.0181, 34.8977

Trichromacy



Original Color

52.6872, 37.1583, 70.7250



Protanomaly

42.4793, 36.3569, 83.3759



Deuteranomaly

42.3353, 36.6128, 68.4540



Tritanomaly

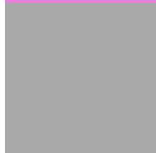
47.6219, 36.9129, 46.2099

Monochromacy



Original Color

52.6872, 37.1583, 70.7250



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

41.4894, 37.2748, 51.4624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6872, 37.1583, 70.7250 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(229, 128, 218)` looks like.

```
.text, #text, p{  
    color:rgb(229, 128, 218)  
}
```

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(229, 128, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 128, 218) }
```

Border

The CSS property to change the border of an element to XYZ 52.6872, 37.1583, 70.7250 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(229, 128, 218) }
```


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

```
.border{ border-color:rgb(229, 128, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 128, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 128, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 128, 218);  
box-shadow:4px 4px 4px 4px rgb(229, 128,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6872, 37.1583, 70.7250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 128, 218) }
```

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

```
.background{ background-color: rgb(229,  
128, 218) }
```

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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