

Converting Colors

XYZ(52.5672, 37.0254, 69.5724)

Have a look what the booklet for XYZ(52.5672, 37.0254, 69.5724) contains.

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Color

**XYZ(52.7470, 37.2192,
69.3697)**

Conversions

Conversions Part 1

Format	Color
Hex	E680D8
RGB	230, 128, 216
RGB Percent	90%, 50%, 85%
CMY	0.0980, 0.4980, 0.1529
CMYK	0.00, 0.44, 0.06, 0.10
HSL	308°, 67%, 70%
HSV	308°, 44%, 90%
XYZ	52.7470, 37.2192, 69.3697
YIQ	168.5300, 32.5440, 48.9920

Conversions

Conversions Part 2

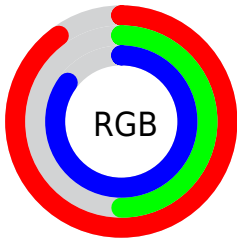
Format	Color
R _Y B	230, 128, 216
Decimal	15106264
CIE Lab	67.44, 51.23, -28.23
CIE LCh	67, 58.491, 331.142
Yxy	37.2192, 0.3310, 0.2336
Android (android.graphics.Color)	4293296344 (0xFFE680D8)
YUV	168.5300, 23.4027, 53.9092
Hunter-Lab	61.0075, 47.5676, -24.7115

Details

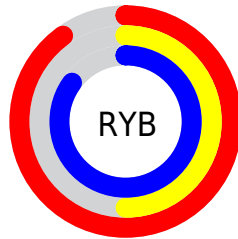
The XYZ color **52.7470, 37.2192, 69.3697** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.0830, 63.1372, 35.5623**, and the grayscale version is **37.3583, 39.3039, 42.8019**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **25.8951, 16.2414, 35.4883** is the 20% darker color. If you saturate the color by 10%, you get **49.6761, 31.7236, 66.3518**, and if you desaturate by 10%, it is **56.5081, 44.0810, 72.6571**.

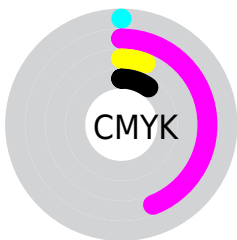
Distribution



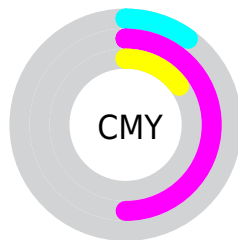
- Red (90%)
- Green (50%)
- Blue (85%)



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



- Cyan (0%)
- Magenta (44%)
- Yellow (6%)
- Black (10%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7470, 37.2192, 69.3697 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 52.7470, 37.2192, 69.3697 by changing the saturation by 10% instead.


 52.7470, 37.2192,
69.3697

 52.7470, 37.2192,
69.3697


387.5905,
334.2586, 477.0630


 37.8275, 25.3773,
50.5392

 93.3997, 70.9098,
119.9821

 26.0254, 16.3583,
35.4679


 119.8636, 93.5272,
152.6012

 16.9755, 9.7781,
23.7371


 150.9064,
120.5053, 190.6535

 10.3122, 5.2521,
14.9283

186.8934,
152.2283, 234.5576

 5.6703, 2.3959,
8.6230

228.1899,
189.0808, 284.7321

 2.6844, 0.8238,
4.4027

275.1614,

 0.9891, 0.0000,

231.4471, 341.5954

1.8487

328.1731,
279.7115, 405.5662

■ 0.0000, 0.0000,
0.4598

■ 0.0000, 0.0000,
0.0000

■ 52.7470, 37.2192,
69.3697

■ 52.7470, 37.2192,
69.3697

■ 49.6761, 31.7236,
66.3518

■ 56.5081, 44.0810,
72.6571

■ 47.2451, 27.4961,
63.5853


■ 60.9978, 52.3884,
76.2259

■ 45.4028, 24.4337,
61.0534


■ 66.2563, 62.2204,
80.0900


■ 44.0885, 22.4148,
58.7355


■ 72.3195, 73.6492,
84.2618


 43.2280, 21.2914,
56.6067


 79.2212, 86.7422,
88.7525

 42.8763, 20.9203,
55.4646

 83.3808, 94.3381,
92.3690

 83.8410, 94.5222,
94.7923

 84.3093, 94.7095,
97.2584

 84.7858, 94.9001,
99.7676

Harmonies

Analogous

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



45.0733, 37.2192, 99.2608



52.7470, 37.2192, 69.3697



55.5895, 37.2192, 39.5483

Triad

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



52.7470, 37.2192, 69.3697



35.0329, 37.2192, 8.4724



22.5644, 37.2192, 71.8399

Complementary

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



52.7470, 37.2192, 69.3697



42.0830, 63.1372, 35.5623

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.



20.7735, 37.2192, 41.5184



52.7470, 37.2192, 69.3697



27.1796, 37.2192, 11.2333

Square

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



52.7470, 37.2192, 69.3697



44.3768, 37.2192, 10.8198



22.3105, 37.2192, 21.0438



27.6824, 37.2192, 101.0615

Rectangle

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



52.7470, 37.2192, 69.3697



54.0385, 37.2192, 25.1838



22.3105, 37.2192, 21.0438



21.5964, 37.2192, 61.0957

Sweetspot

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



52.7482, 37.2209, 69.3705



84.6474, 80.3533, 101.8609



33.0907, 26.8689, 78.3061



17.7777, 16.5598, 21.5610



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.



52.7482, 37.2209, 69.3705



63.1440, 40.7391, 84.2343



47.1818, 34.9943, 40.0582



14.9055, 14.5794, 17.7030



24.3076, 11.8573, 31.5785



1.8199, 0.8857, 2.4578

Inverse Universe

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



52.7482, 37.2209, 69.3705



63.1440, 40.7391, 84.2343



46.7815, 65.0166, 60.3039



14.9055, 14.5794, 17.7030



24.3076, 11.8573, 31.5785



1.8199, 0.8857, 2.4578

Previews

White Background



This preview shows how the XYZ color 52.7470, 37.2192, 69.3697 looks on a white background.

Color Contrast Check

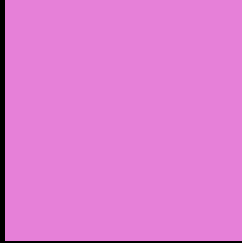
Large Text (above 18pt) WCAG AA × Fail

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 52.7470, 37.2192, 69.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

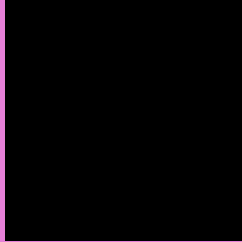
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.7470, 37.2192, 69.3697

Background



This preview shows how black text looks on a background with the XYZ color 52.7470, 37.2192, 69.3697.



This preview shows how white text looks on a background with the XYZ color 52.7470, 37.2192,

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

52.7470, 37.2192, 69.3697

Protanopia

39.4286, 37.6547, 89.1944

Deuteranopia

38.4578, 37.6619, 66.2153



Tritanopia

45.4647, 37.1426, 34.4788

Trichromacy



Original Color

52.7470, 37.2192, 69.3697



Protanomaly

42.4089, 36.3538, 81.8726



Deuteranomaly

42.5572, 36.7565, 67.1391



Tritanomaly

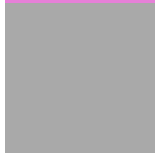
47.7349, 36.9940, 45.1821

Monochromacy



Original Color

52.7470, 37.2192, 69.3697



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.9044, 37.7327, 51.5289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7470, 37.2192, 69.3697 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(230, 128, 216)` looks like.

```
.text, #text, p{  
    color:rgb(230, 128, 216)  
}
```

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(230, 128, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 128, 216) }
```

Border

The CSS property to change the border of an element to XYZ 52.7470, 37.2192, 69.3697 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(230, 128, 216) }
```


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

```
.border{ border-color:rgb(230, 128, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 128, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 128, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 128, 216);  
box-shadow:4px 4px 4px 4px rgb(230, 128,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7470, 37.2192, 69.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 128, 216) }
```

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

```
.background{ background-color: rgb(230,  
128, 216) }
```

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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