

Converting Colors

XYZ(13.8103, 6.2998, 37.6806)

Have a look what the booklet for
XYZ(13.8103, 6.2998, 37.6806)
contains.

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Color

**XYZ(13.7500, 6.2719,
37.5317)**

Conversions

Conversions Part 1

Format	Color
Hex	7000A8
RGB	112, 0, 168
RGB Percent	44%, 0%, 66%
CMY	0.5608, 1.0000, 0.3412
CMYK	0.33, 1.00, 0.00, 0.34
HSL	280°, 100%, 33%
HSV	280°, 100%, 66%
XYZ	13.7500, 6.2719, 37.5317
YIQ	52.6400, 12.8240, 75.9920

Conversions

Conversions Part 2

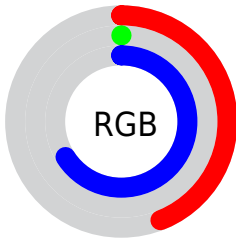
Format	Color
R_{YB}	112, 0, 168
Decimal	7340200
CIE _{Lab}	30.09, 63.82, -60.77
CIE _{LCh}	30, 88.124, 316.404
Yxy	6.2719, 0.2389, 0.1090
Android (android.graphics.Color)	4285530280 (0xFF7000A8)
YUV	52.6400, 56.8725, 52.0587
Hunter-Lab	25.0438, 54.1769, -71.3240

Details

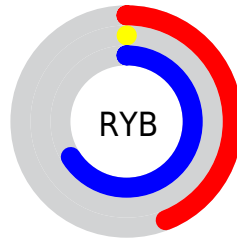
The XYZ color **13.7500, 6.2719, 37.5317** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **15.6335, 28.8461, 4.7439**, and the grayscale version is **3.2736, 3.4441, 3.7507**.

A 20% lighter version of the original color is **32.1341, 18.4516, 72.3889**, and **4.6158, 2.0221, 16.3667** is the 20% darker color. If you saturate the color by 10%, you get **13.7503, 6.2721, 37.5319**, and if you desaturate by 10%, it is **14.6826, 7.0457, 37.6320**.

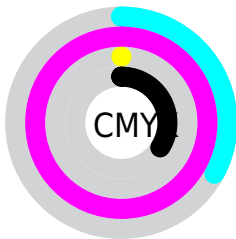
Distribution



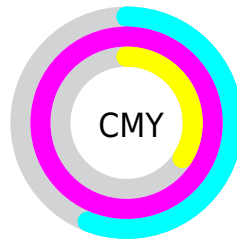
- Red (44%)
- Green (0%)
- Blue (66%)



- Red (44%)
- Yellow (0%)
- Blue (66%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)



- Cyan (56%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7500, 6.2719, 37.5317 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 13.7500, 6.2719, 37.5317 by changing the saturation by 10% instead.

■ 13.7500, 6.2719,
37.5317

■ 13.7500, 6.2719,
37.5317

209.2119,
161.4688, 350.8446

■ 8.0275, 3.0111,
25.3204

■ 32.2348, 18.4927,
72.5852

■ 4.1645, 1.1375,
16.0948

■ 45.7278, 28.2215,
96.2646

■ 1.7956, 0.0098,
9.4361

■ 62.5417, 40.8751,
124.6037

■ 0.5150, 0.0000,
4.9261

■ 83.0418, 56.8379,
158.0211

■ 0.0000, 0.0000,
2.1460

■ 107.5935, 76.4943,
196.9353


■ 0.0000, 0.0000,
0.6429

■ 136.5622,

■ 0.0000, 0.0000,


100.2286, 241.7650

0.0000

 170.3132,
128.4254, 292.9285

 13.7500, 6.2719,
37.5317


 13.7500, 6.2719,
37.5317


 13.7503, 6.2721,
37.5319

 14.6826, 7.0457,
37.6320

 15.8259, 8.1744,
37.7896

 17.2489, 9.7944,
38.0273

 18.9827, 11.9668,
38.3553

 21.0538, 14.7435,
38.7821

■ 23.4856, 18.1704,
39.3154

■ 26.2993, 22.2888,
39.9620

■ 29.5144, 27.1365,
40.7282

■ 33.1487, 32.7485,
41.6199

Harmonies

Analogous

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



8.4940, 6.2719, 60.0340



13.7500, 6.2719, 37.5317



17.4746, 6.2719, 13.6836

Triad

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



13.7500, 6.2719, 37.5317



8.0274, 6.2719, 0.0000



1.1301, 6.2719, 15.4644

Complementary

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



13.7500, 6.2719, 37.5317



15.6335, 28.8461, 4.7439

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.



1.0972, 6.2719, 2.7594



13.7500, 6.2719, 37.5317



3.9898, 6.2719, 0.0000

Square

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



13.7500, 6.2719, 37.5317



13.2758, 6.2719, 0.0000



1.8640, 6.2719, 0.0000



1.9935, 6.2719, 40.0364

Rectangle

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



13.7500, 6.2719, 37.5317



17.8310, 6.2719, 4.5956



1.8640, 6.2719, 0.0000



1.0422, 6.2719, 9.6894

Sweetspot

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



13.7504, 6.2721, 37.5319



47.4238, 40.0005, 72.4465



8.4821, 5.6556, 37.6905



9.8725, 8.0341, 15.6825



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.7504, 6.2721, 37.5319



24.7159, 11.2599, 68.0958



20.8822, 10.2183, 25.6828



7.5953, 7.5395, 9.4733



10.4396, 4.7652, 28.3450



0.3048, 0.1421, 0.6920

Inverse Universe

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



16.8623, 8.6104, 4.5144



30.5096, 15.5890, 7.7211



14.2123, 28.0892, 5.7713



7.6304, 7.5820, 8.3709



12.7553, 6.5109, 3.5232



0.3340, 0.1679, 0.2101

Previews

White Background



This preview shows how the XYZ color 13.7500, 6.2719, 37.5317 looks on a white 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

Black 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

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

XYZ 13.7500, 6.2719, 37.5317

Background



This preview shows how black text looks on a background with the XYZ color 13.7500, 6.2719, 37.5317.



This preview shows how white text looks on a background with the XYZ color 13.7500, 6.2719,

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

13.7500, 6.2719, 37.5317

Protanopia

7.7583, 6.7085, 29.7401

Deuteranopia

6.5469, 6.7539, 21.7274



Tritanopia

7.7016, 6.7310, 6.8545

Trichromacy



Original Color

13.7500, 6.2719, 37.5317

Protanomaly

7.9386, 4.7825, 32.4030

Deuteranomaly

6.9293, 4.5685, 26.5032

Tritanomaly

8.7963, 5.4632, 14.2266

Monochromacy



Original Color

13.7500, 6.2719, 37.5317

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.4616, 3.4261, 11.1999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7500, 6.2719, 37.5317 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(112, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 168)  
}
```

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(112, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 13.7500, 6.2719, 37.5317 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(112, 0, 168) }
```


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

```
.border{ border-color:rgb(112, 0, 168) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7500, 6.2719, 37.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 168) }
```

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

```
.background{ background-color: rgb(112, 0,  
168) }
```

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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