

Converting Colors

XYZ(22.4281, 21.8421, 37.3642)

Have a look what the booklet for
XYZ(22.4281, 21.8421, 37.3642)
contains.

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Color

**XYZ(22.4399, 21.8903,
37.2250)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7EA2
RGB	125, 126, 162
RGB Percent	49%, 49%, 64%
CMY	0.5098, 0.5059, 0.3647
CMYK	0.23, 0.22, 0.00, 0.36
HSL	238°, 17%, 56%
HSV	238°, 23%, 64%
XYZ	22.4399, 21.8903, 37.2250
YIQ	129.8050, -12.1520, 10.9840

Conversions

Conversions Part 2

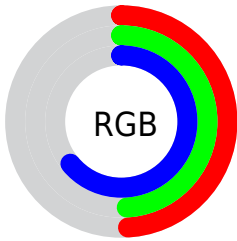
Format	Color
R_{YB}	125, 126, 162
Decimal	8224418
CIE _{Lab}	53.91, 7.69, -19.31
CIE _{LCh}	54, 20.787, 291.711
Yxy	21.8903, 0.2751, 0.2684
Android (android.graphics.Color)	4286414498 (0xFF7D7EA2)
YUV	129.8050, 15.8721, -4.2140
Hunter-Lab	46.7871, 3.7344, -14.4217

Details

The XYZ color **22.4399, 21.8903, 37.2250** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.3472, 34.6520, 24.4390**, and the grayscale version is **21.0986, 22.1974, 24.1729**.

A 20% lighter version of the original color is **47.0046, 46.7149, 72.1851**, and **8.3700, 7.9294, 15.8412** is the 20% darker color. If you saturate the color by 10%, you get **18.4059, 17.0512, 36.5039**, and if you desaturate by 10%, it is **27.1786, 27.5651, 38.0710**.

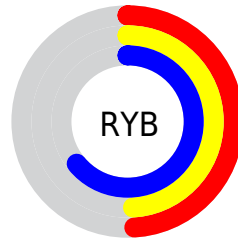
Distribution



Red (49%)

Green (49%)

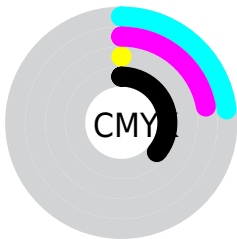
Blue (64%)



Red (49%)

Yellow (49%)

Blue (64%)

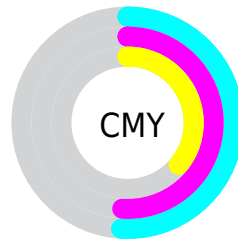


Cyan (23%)

Magenta (22%)

Yellow (0%)

Black (36%)



Cyan (51%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4399, 21.8903, 37.2250 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 22.4399, 21.8903, 37.2250 by changing the saturation by 10% instead.

■ 22.4399, 21.8903,
37.2250

■ 22.4399, 21.8903,
37.2250

257.4244,
261.9729, 349.4816

■ 14.2989, 13.7763,
25.0846

■ 46.9454, 46.5646,
72.1089

■ 8.4119, 7.9653,
15.9205

■ 64.0407, 63.8937,
95.6895

■ 4.4137, 4.0727,
9.3142

■ 84.8514, 85.0634,
123.9205

■ 1.9387, 1.7143,
4.8471

109.7430,
110.4579, 157.2205

■ 0.5992, 0.4329,
2.1006

139.0807,
140.4617, 196.0081

■ 0.0000, 0.0000,
0.6162

173.2299,

■ 0.0000, 0.0000,

175.4592, 240.7018

0.0000

212.5560,
215.8348, 291.7201

■ 22.4399, 21.8903,
37.2250

■ 22.4399, 21.8903,
37.2250

■ 18.4059, 17.0512,
36.5039

■ 27.1786, 27.5651,
38.0710

■ 15.0411, 13.0059,
35.9005

■ 32.6512, 34.1098,
39.0458

■ 12.3098, 9.7129,
35.4088

■ 38.8877, 41.5596,
40.1550

■ 10.1724, 7.1256,
35.0221

■ 45.9160, 49.9473,
41.4036

■ 8.5847, 5.1927,
34.7326

■ 53.7624, 59.3038,
42.7960

■ 7.4965, 3.8554,
34.5319

■ 62.4521, 69.6587,
44.3367

■ 6.8482, 3.0448,
34.4096

■ 72.0093, 81.0403,
46.0299

■ 6.5692, 2.7038,
34.3585

■ 82.4569, 93.4759,
47.8795

■ 83.5217, 95.3887,
48.1926

Harmonies

Analogous

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



20.1915, 21.8903, 38.2382



22.4399, 21.8903, 37.2250



24.3719, 21.8903, 32.3212

Triad

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



22.4399, 21.8903, 37.2250



23.5897, 21.8903, 15.4070



16.8295, 21.8903, 22.1010

Complementary

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



22.4399, 21.8903, 37.2250



31.3472, 34.6520, 24.4390

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.



17.6062, 21.8903, 16.9814



22.4399, 21.8903, 37.2250



21.4330, 21.8903, 13.5962

Square

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



22.4399, 21.8903, 37.2250



25.0682, 21.8903, 19.5579



19.2535, 21.8903, 14.1158



17.0567, 21.8903, 28.6938

Rectangle

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



22.4399, 21.8903, 37.2250



25.1680, 21.8903, 27.9176



19.2535, 21.8903, 14.1158



16.9797, 21.8903, 20.1708

Sweetspot

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



22.4406, 21.8912, 37.2255



54.8419, 56.6232, 70.0950



27.7908, 32.7661, 38.4706



12.1932, 12.5690, 15.7209



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.4406, 21.8912, 37.2255



37.1591, 35.4492, 66.9400



25.0569, 23.0509, 37.3115



6.7151, 6.8892, 8.8789



5.1805, 2.1405, 27.0699



0.1132, 0.0537, 0.5702

Inverse Universe

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



26.0004, 23.8556, 22.9738



44.6946, 39.6252, 36.7675



28.2526, 33.3174, 24.3445



7.0812, 7.0889, 7.4139



11.7604, 6.0602, 0.6628



0.2493, 0.1282, 0.0255

Previews

White Background



This preview shows how the XYZ color 22.4399, 21.8903, 37.2250 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4399, 21.8903, 37.2250 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 × Fail

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

XYZ 22.4399, 21.8903, 37.2250

Background



This preview shows how black text looks on a background with the XYZ color 22.4399, 21.8903, 37.2250.



This preview shows how white text looks on a background with the XYZ color 22.4399, 21.8903,

37.2250.

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

22.4399, 21.8903, 37.2250

Protanopia

21.9460, 21.8162, 37.7046

Deuteranopia

22.2946, 21.8154, 37.2182



Tritanopia

20.6014, 21.9237, 27.9568

Trichromacy



Original Color

22.4399, 21.8903, 37.2250

Protanomaly

22.2263, 21.9607, 37.7177

Deuteranomaly

22.2946, 21.8154, 37.2182

Tritanomaly

21.2216, 21.9762, 31.1403

Monochromacy



Original Color

22.4399, 21.8903, 37.2250

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.6348, 22.2427, 28.7442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4399, 21.8903, 37.2250 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(125, 126, 162)` looks like.

```
.text, #text, p{  
    color:rgb(125, 126, 162)  
}
```

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(125, 126, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 126, 162) }
```

Border

The CSS property to change the border of an element to XYZ 22.4399, 21.8903, 37.2250 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(125, 126, 162) }
```


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

```
.border{ border-color:rgb(125, 126, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 126, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 126, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 126, 162);  
box-shadow:4px 4px 4px 4px rgb(125, 126,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4399, 21.8903, 37.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 126, 162) }
```

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

```
.background{ background-color: rgb(125,  
126, 162) }
```

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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