

Converting Colors

XYZ(22.2773, 14.2334, 37.3451)

Have a look what the booklet for
XYZ(22.2773, 14.2334, 37.3451)
contains.

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Color

**XYZ(22.3109, 14.2540,
37.1727)**

Conversions

Conversions Part 1

Format	Color
Hex	9949A5
RGB	153, 73, 165
RGB Percent	60%, 29%, 65%
CMY	0.4000, 0.7137, 0.3529
CMYK	0.07, 0.56, 0.00, 0.35
HSL	292°, 39%, 47%
HSV	292°, 56%, 65%
XYZ	22.3109, 14.2540, 37.1727
YIQ	107.4080, 18.1480, 45.5720

Conversions

Conversions Part 2

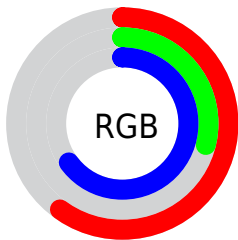
Format	Color
R_{YB}	153, 73, 165
Decimal	10045861
CIE _{Lab}	44.60, 47.25, -35.31
CIE _{LCh}	45, 58.984, 323.230
Yxy	14.2540, 0.3026, 0.1933
Android (android.graphics.Color)	4288235941 (0xFF9949A5)
YUV	107.4080, 28.3929, 39.9842
Hunter-Lab	37.7545, 39.4138, -31.9483

Details

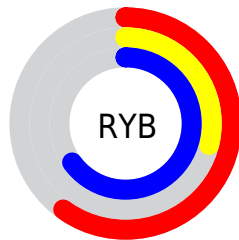
The XYZ color **22.3109, 14.2540, 37.1727** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.4045, 29.3230, 10.9939**, and the grayscale version is **14.0089, 14.7385, 16.0502**.

A 20% lighter version of the original color is **46.5464, 33.3898, 71.7018**, and **8.3425, 4.2775, 16.0087** is the 20% darker color. If you saturate the color by 10%, you get **20.9647, 12.1589, 36.8395**, and if you desaturate by 10%, it is **23.9530, 16.9293, 37.6027**.

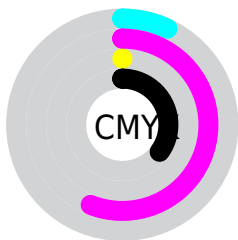
Distribution



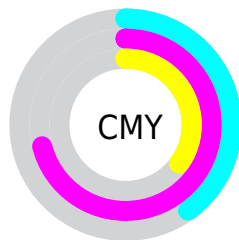
- Red (60%)
- Green (29%)
- Blue (65%)



- Red (60%)
- Yellow (29%)
- Blue (65%)



- Cyan (7%)
- Magenta (56%)
- Yellow (0%)
- Black (35%)



- Cyan (40%)
- Magenta (71%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3109, 14.2540, 37.1727 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 22.3109, 14.2540, 37.1727 by changing the saturation by 10% instead.

■ 22.3109, 14.2540,
37.1727

■ 22.3109, 14.2540,
37.1727

256.7675,
218.8053, 349.2488

■ 14.2034, 8.2975,
25.0444

■ 46.7343, 33.5390,
72.0276

■ 8.3449, 4.2859,
15.8908

■ 63.7810, 47.6364,
95.5913

■ 4.3701, 1.8348,
9.2934

■ 84.5381, 65.2162,
123.8039

■ 1.9136, 0.5087,
4.8336

■ 109.3710, 86.6628,
157.0839

■ 0.5847, 0.0000,
2.0930

■ 138.6450,
112.3606, 195.8498

■ 0.0000, 0.0000,
0.6116

172.7256,

■ 0.0000, 0.0000,

142.6940, 240.5202

0.0000

211.9779,
178.0475, 291.5137

■ 22.3109, 14.2540,
37.1727

■ 22.3109, 14.2540,
37.1727

■ 20.9647, 12.1589,
36.8395

■ 23.9530, 16.9293,
37.6027

■ 19.8896, 10.5955,
36.5944

■ 25.9103, 20.2243,
38.1356

■ 19.0592, 9.5106,
36.4287

■ 28.2021, 24.1776,
38.7779

■ 18.4379, 8.8334,
36.3308

■ 30.8459, 28.8236,
39.5353

■ 18.2024, 8.5991,
36.2980

■ 33.8577, 34.1946,
40.4133

■ 37.2527, 40.3209,
41.4168

■ 41.0452, 47.2309,
42.5507

■ 45.2487, 54.9517,
43.8194

■ 49.8760, 63.5088,
45.2272

Harmonies

Analogous

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



17.5004, 14.2540, 54.3758



22.3109, 14.2540, 37.1727



24.8596, 14.2540, 18.8297

Triad

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



22.3109, 14.2540, 37.1727



14.6590, 14.2540, 1.3163



6.7427, 14.2540, 28.3689

Complementary

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



22.3109, 14.2540, 37.1727



18.4045, 29.3230, 10.9939

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.



6.3245, 14.2540, 12.6231



22.3109, 14.2540, 37.1727



10.2406, 14.2540, 1.7292

Square

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



22.3109, 14.2540, 37.1727



19.8186, 14.2540, 2.5505



7.4453, 14.2540, 4.5035



8.7629, 14.2540, 47.5364

Rectangle

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



22.3109, 14.2540, 37.1727



24.5913, 14.2540, 10.2478



7.4453, 14.2540, 4.5035



6.4332, 14.2540, 22.3473

Sweetspot

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



22.3114, 14.2546, 37.1730



54.4631, 50.2421, 70.5795



12.8093, 10.6728, 36.9825



11.7059, 10.6296, 15.3723



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.



22.3114, 14.2546, 37.1730



37.0266, 20.9982, 65.8539



22.0149, 14.4109, 23.1895



7.2730, 7.1551, 8.9008



13.7999, 6.5206, 27.4610



0.3136, 0.1492, 0.5781

Inverse Universe

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



19.5398, 13.4209, 10.1556



31.8435, 19.5210, 11.6302



18.8431, 29.3830, 18.5155



7.1096, 7.1003, 7.5638



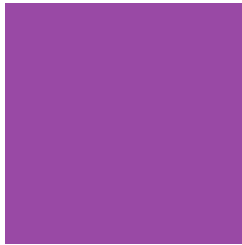
11.8560, 6.0985, 1.1665



0.2594, 0.1323, 0.0787

Previews

White Background



This preview shows how the XYZ color 22.3109, 14.2540, 37.1727 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 × Fail

Black Background



This preview shows how the XYZ color 22.3109, 14.2540, 37.1727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

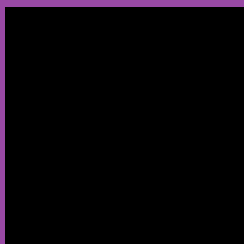
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3109, 14.2540, 37.1727

Background



This preview shows how black text looks on a background with the XYZ color 22.3109, 14.2540, 37.1727.



This preview shows how white text looks on a background with the XYZ color 22.3109, 14.2540,

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

22.3109, 14.2540, 37.1727

Protanopia

16.4625, 14.5749, 52.3976

Deuteranopia

14.7029, 14.3557, 34.7969



Tritanopia

17.4473, 14.2933, 13.3946

Trichromacy



Original Color

22.3109, 14.2540, 37.1727

Protanomaly

17.0937, 13.5061, 46.5057

Deuteranomaly

16.4108, 13.5277, 35.4644

Tritanomaly

18.7158, 13.9488, 20.1183

Monochromacy



Original Color

22.3109, 14.2540, 37.1727

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

16.3007, 14.0280, 22.2706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3109, 14.2540, 37.1727 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(153, 73, 165)` looks like.

```
.text, #text, p{  
    color:rgb(153, 73, 165)  
}
```

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(153, 73, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 73, 165) }
```

Border

The CSS property to change the border of an element to XYZ 22.3109, 14.2540, 37.1727 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(153, 73, 165) }
```


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

```
.border{ border-color:rgb(153, 73, 165) }
```

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

Here you see how a box with a 4 pixel rgb(153, 73, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 73, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 73, 165);  
box-shadow:4px 4px 4px 4px rgb(153, 73,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3109, 14.2540, 37.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 73, 165) }
```

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

```
.background{ background-color: rgb(153, 73,  
165) }
```

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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