

Converting Colors

XYZ(22.8370, 16.4770, 37.0989)

Have a look what the booklet for
XYZ(22.8370, 16.4770, 37.0989)
contains.

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Color

**XYZ(22.7514, 16.3822,
37.0849)**

Conversions

Conversions Part 1

Format	Color
Hex	955AA4
RGB	149, 90, 164
RGB Percent	58%, 35%, 64%
CMY	0.4157, 0.6470, 0.3569
CMYK	0.09, 0.45, 0.00, 0.36
HSL	288°, 29%, 50%
HSV	288°, 45%, 64%
XYZ	22.7514, 16.3822, 37.0849
YIQ	116.0770, 11.4100, 35.5220

Conversions

Conversions Part 2

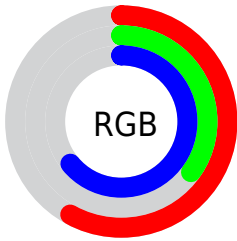
Format	Color
R_{YB}	149, 90, 164
Decimal	9788068
CIE _{Lab}	47.47, 36.86, -30.24
CIE _{LCh}	47, 47.679, 320.641
Yxy	16.3822, 0.2985, 0.2149
Android (android.graphics.Color)	4287978148 (0xFF955AA4)
YUV	116.0770, 23.6260, 28.8735
Hunter-Lab	40.4749, 29.5057, -25.9916

Details

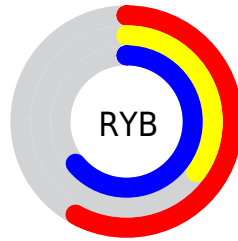
The XYZ color **22.7514, 16.3822, 37.0849** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9471, 30.2927, 14.4166**, and the grayscale version is **16.5520, 17.4139, 18.9638**.

A 20% lighter version of the original color is **47.3610, 37.2978, 71.7208**, and **8.5414, 5.2425, 15.8910** is the 20% darker color. If you saturate the color by 10%, you get **20.9200, 13.6065, 36.6459**, and if you desaturate by 10%, it is **24.9065, 19.7786, 37.6271**.

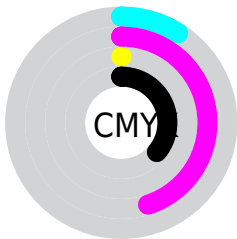
Distribution



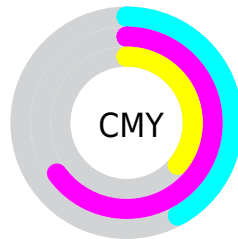
- Red (58%)
- Green (35%)
- Blue (64%)



- Red (58%)
- Yellow (35%)
- Blue (64%)



- Cyan (9%)
- Magenta (45%)
- Yellow (0%)
- Black (36%)



- Cyan (42%)
- Magenta (65%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7514, 16.3822, 37.0849 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 22.7514, 16.3822, 37.0849 by changing the saturation by 10% instead.

■ 22.7514, 16.3822,
37.0849

■ 22.7514, 16.3822,
37.0849

259.0048,
231.5866, 348.8577

■ 14.5297, 9.7950,
24.9769

■ 47.4545, 37.2605,
71.8911

■ 8.5742, 5.2633,
15.8410

■ 64.6666, 52.3203,
95.4265

■ 4.5194, 2.4025,
9.2586

■ 85.6062, 70.9732,
123.6080

■ 1.9999, 0.8272,
4.8111

■ 110.6388, 93.6035,
156.8543

■ 0.6339, 0.0000,
2.0801

140.1295,
120.5956, 195.5839

■ 0.0000, 0.0000,
0.6039

174.4439,

■ 0.0000, 0.0000,

152.3338, 240.2153

0.0000

213.9472,
189.2027, 291.1670

■ 22.7514, 16.3822,
37.0849

■ 22.7514, 16.3822,
37.0849

■ 20.9200, 13.6065,
36.6459

■ 24.9065, 19.7786,
37.6271

■ 19.3900, 11.4088,
36.3023

■ 27.4021, 23.8305,
38.2777

■ 18.1392, 9.7441,
36.0469

■ 30.2559, 28.5728,
39.0426

■ 17.1412, 8.5599,
35.8710

■ 33.4839, 34.0371,
39.9272

■ 16.3630, 7.7903,
35.7635

■ 37.1010, 40.2530,
40.9364

■ 16.0235, 7.4863,
35.7227

■ 41.1212, 47.2486,
42.0748

■ 45.5581, 55.0504,
43.3468

■ 50.4243, 63.6839,
44.7568

■ 55.7320, 73.1730,
46.3086

Harmonies

Analogous

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



18.6204, 16.3822, 49.7604



22.7514, 16.3822, 37.0849



25.0637, 16.3822, 21.9040

Triad

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



22.7514, 16.3822, 37.0849



16.9326, 16.3822, 3.3053



9.1274, 16.3822, 27.3829

Complementary

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



22.7514, 16.3822, 37.0849



20.9471, 30.2927, 14.4166

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.



8.8404, 16.3822, 14.3082



22.7514, 16.3822, 37.0849



12.8738, 16.3822, 3.7060

Square

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



22.7514, 16.3822, 37.0849



21.3252, 16.3822, 5.2015



10.0865, 16.3822, 6.7608



10.9576, 16.3822, 42.6185

Rectangle

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



22.7514, 16.3822, 37.0849



25.0203, 16.3822, 13.8694



10.0865, 16.3822, 6.7608



8.8621, 16.3822, 22.4981

Sweetspot

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



22.7520, 16.3829, 37.0853



55.3943, 52.6619, 70.9975



16.0754, 15.1696, 37.2030



11.8632, 11.0984, 15.4545



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.



22.7520, 16.3829, 37.0853



38.0049, 24.7450, 66.5255



23.9269, 17.1897, 28.0572



7.2231, 7.1294, 8.8985



12.3254, 5.7605, 27.3920



0.2927, 0.1384, 0.5771

Inverse Universe

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



21.5163, 16.2254, 15.3630



35.7191, 24.5661, 21.2643



20.3598, 29.8719, 19.7228



7.1298, 7.1084, 7.6698



11.9664, 6.1426, 1.7475



0.2665, 0.1351, 0.1159

Previews

White Background



This preview shows how the XYZ color 22.7514, 16.3822, 37.0849 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 22.7514, 16.3822, 37.0849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

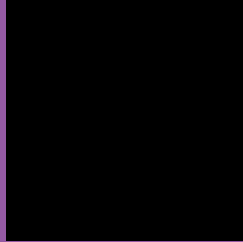
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7514, 16.3822, 37.0849

Background



This preview shows how black text looks on a background with the XYZ color 22.7514, 16.3822, 37.0849.



This preview shows how white text looks on a background with the XYZ color 22.7514, 16.3822,

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

22.7514, 16.3822, 37.0849

Protanopia

17.9657, 16.7247, 46.5373

Deuteranopia

16.9632, 16.6132, 35.5703



Tritanopia

18.5503, 16.2913, 16.9187

Trichromacy



Original Color

22.7514, 16.3822, 37.0849

Protanomaly

18.8948, 16.0469, 42.6589

Deuteranomaly

18.4536, 16.1187, 35.8568

Tritanomaly

19.8985, 16.2764, 23.2120

Monochromacy



Original Color

22.7514, 16.3822, 37.0849

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.3934, 16.7980, 24.4632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7514, 16.3822, 37.0849 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(149, 90, 164)` looks like.

```
.text, #text, p{  
    color:rgb(149, 90, 164)  
}
```

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(149, 90, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 90, 164) }
```

Border

The CSS property to change the border of an element to XYZ 22.7514, 16.3822, 37.0849 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(149, 90, 164) }
```


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

```
.border{ border-color:rgb(149, 90, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 90, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 90, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 90, 164);  
box-shadow:4px 4px 4px 4px rgb(149, 90,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7514, 16.3822, 37.0849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 90, 164) }
```

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

```
.background{ background-color: rgb(149, 90,  
164) }
```

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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