

Converting Colors

XYZ(24.2417, 14.3991, 37.2912)

Have a look what the booklet for
XYZ(24.2417, 14.3991, 37.2912)
contains.

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Color

**XYZ(24.1420, 14.3827,
37.1010)**

Conversions

Conversions Part 1

Format	Color
Hex	A540A5
RGB	165, 64, 165
RGB Percent	65%, 25%, 65%
CMY	0.3529, 0.7490, 0.3529
CMYK	0.00, 0.61, 0.00, 0.35
HSL	300°, 44%, 45%
HSV	300°, 61%, 65%
XYZ	24.1420, 14.3827, 37.1010
YIQ	105.7130, 27.7750, 52.8230

Conversions

Conversions Part 2

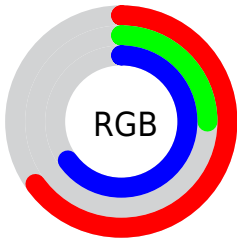
Format	Color
R_{YB}	165, 64, 165
Decimal	10829989
CIE _{Lab}	44.78, 54.68, -34.90
CIE _{LCh}	45, 64.873, 327.449
Yxy	14.3827, 0.3192, 0.1902
Android (android.graphics.Color)	4289020069 (0xFFA540A5)
YUV	105.7130, 29.2285, 51.9947
Hunter-Lab	37.9245, 47.2616, -31.4553

Details

The XYZ color **24.1420, 14.3827, 37.1010** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.4956, 28.3711, 9.4580**, and the grayscale version is **13.5391, 14.2442, 15.5119**.

A 20% lighter version of the original color is **49.5209, 33.6538, 71.5959**, and **9.4110, 4.5073, 15.9968** is the 20% darker color. If you saturate the color by 10%, you get **23.3457, 12.7897, 36.8356**, and if you desaturate by 10%, it is **25.2146, 16.5275, 37.4587**.

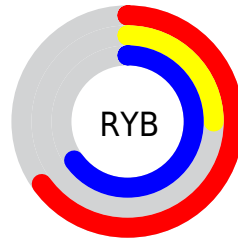
Distribution



Red (65%)

Green (25%)

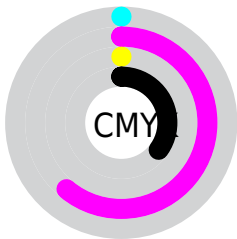
Blue (65%)



Red (65%)

Yellow (25%)

Blue (65%)

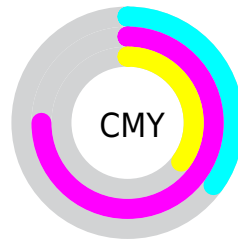


Cyan (0%)

Magenta (61%)

Yellow (0%)

Black (35%)



Cyan (35%)


Magenta (75%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1420, 14.3827, 37.1010 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 24.1420, 14.3827, 37.1010 by changing the saturation by 10% instead.


 24.1420, 14.3827,
37.1010


 24.1420, 14.3827,
37.1010


265.9648,
219.5988, 348.9294


 15.5643, 8.3873,
24.9893


 49.7148, 33.7665,
71.9162

 9.3053, 4.3438,
15.8501


 67.4406, 47.9238,
95.4567


 4.9995, 1.8677,
9.2650


 88.9465, 65.5705,
123.6439

 2.2817, 0.5288,
4.8152

 114.5979, 87.0909,
156.8964

 0.7853, 0.0000,
2.0824

 144.7600,
112.8696, 195.6326

 0.0000, 0.0000,
0.6053

179.7983,

 0.0000, 0.0000,

143.2909, 240.2712

0.0000

220.0781,
178.7391, 291.2306

■ 24.1420, 14.3827,
37.1010

■ 24.1420, 14.3827,
37.1010

■ 23.3457, 12.7897,
36.8356

■ 25.2146, 16.5275,
37.4587

■ 22.7990, 11.6963,
36.6533

■ 26.5840, 19.2663,
37.9153

■ 22.4728, 11.0439,
36.5445

■ 28.2705, 22.6393,
38.4775

■ 22.3088, 10.7161,
36.4898

■ 30.2922, 26.6826,
39.1515

■ 32.6658, 31.4299,
39.9428

■ 35.4071, 36.9123,
40.8566

■ 38.5305, 43.1592,
41.8978

■ 42.0501, 50.1983,
43.0711

■ 45.9790, 58.0561,
44.3808

Harmonies

Analogous

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



18.9065, 14.3827, 58.2483



24.1420, 14.3827, 37.1010



26.5330, 14.3827, 16.9906

Triad

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



24.1420, 14.3827, 37.1010



14.1273, 14.3827, 0.8664



6.4934, 14.3827, 33.2578

Complementary

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



24.1420, 14.3827, 37.1010



16.4956, 28.3711, 9.4580

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.



5.8276, 14.3827, 14.4013



24.1420, 14.3827, 37.1010



9.5029, 14.3827, 1.4329

Square

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



24.1420, 14.3827, 37.1010



19.8950, 14.3827, 1.7121



6.7724, 14.3827, 4.6450



8.9018, 14.3827, 55.1960

Rectangle

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



24.1420, 14.3827, 37.1010



25.8278, 14.3827, 8.4576



6.7724, 14.3827, 4.6450



6.0905, 14.3827, 26.1013

Sweetspot

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



24.1425, 14.3834, 37.1013



55.4087, 50.1027, 70.5025



10.7399, 7.4740, 36.4746



11.8691, 10.4648, 15.3318



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.



24.1425, 14.3834, 37.1013



41.4576, 22.2008, 65.8514



20.4169, 12.8931, 17.4826



7.3644, 7.2022, 8.9051



16.8766, 8.1067, 27.6044



0.3546, 0.1703, 0.5800

Inverse Universe

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



24.1425, 14.3834, 37.1013



41.4576, 22.2008, 65.8514



18.6360, 29.2273, 20.7292



7.3644, 7.2022, 8.9051



16.8766, 8.1067, 27.6044



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 24.1420, 14.3827, 37.1010 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 24.1420, 14.3827, 37.1010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

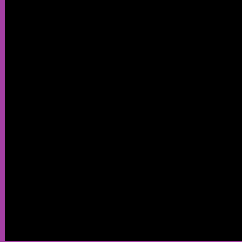
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1420, 14.3827, 37.1010

Background



This preview shows how black text looks on a background with the XYZ color 24.1420, 14.3827, 37.1010.

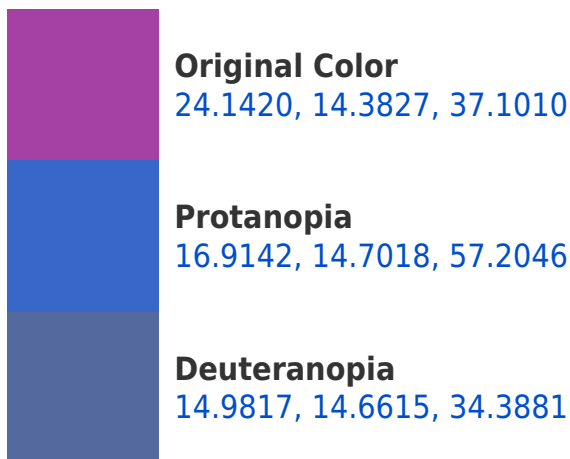


This preview shows how white text looks on a background with the XYZ color 24.1420, 14.3827,

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





Tritanopia

18.8471, 14.3202, 11.6683

Trichromacy



Original Color

24.1420, 14.3827, 37.1010



Protanomaly

17.2656, 13.1553, 49.2062



Deuteranomaly

16.9842, 13.5661, 35.4416



Tritanomaly

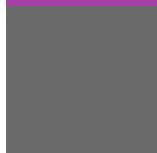
20.2220, 13.9867, 18.7734

Monochromacy



Original Color

24.1420, 14.3827, 37.1010



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

16.3242, 13.5265, 21.8292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1420, 14.3827, 37.1010 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(165, 64, 165)` looks like.

```
.text, #text, p{  
    color:rgb(165, 64, 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(165, 64, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 64, 165) }
```

Border

The CSS property to change the border of an element to XYZ 24.1420, 14.3827, 37.1010 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(165, 64, 165) }
```


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

```
.border{ border-color:rgb(165, 64, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 64, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 64, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 64, 165);  
box-shadow:4px 4px 4px 4px rgb(165, 64,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1420, 14.3827, 37.1010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 64, 165) }
```

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

```
.background{ background-color: rgb(165, 64,  
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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